

Pharmacology Notes I
H. L. 1000

LABORATORY NOTEBOOK





Notebook closed, July, 1979

Notebook opened August 1979

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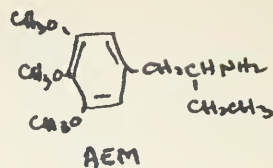
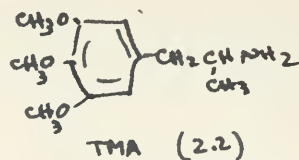
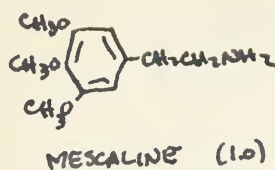
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INSTRUCTIONS

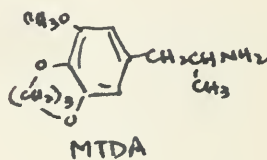
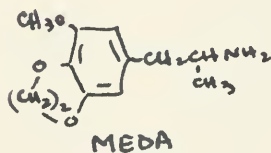
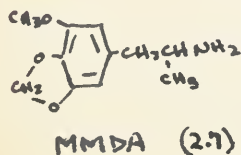
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Common Names within Groups
and. Potency in mescaline units ()

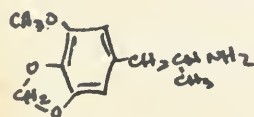
Homologs:



Cyclics:

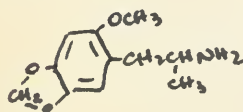


Isomers:



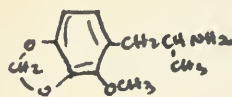
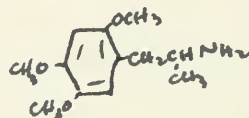
MDMA (2.7)

TMA (2.2)



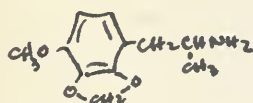
MDMA-2

TMA-2

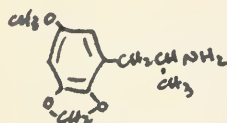


MDMA-3a

TMA-3

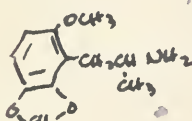
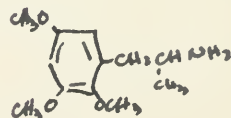


MDMA-3b



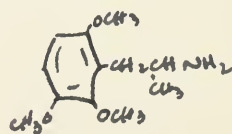
MDMA-4

TMA-4



MDMA-5

TMA-5



TMA-6

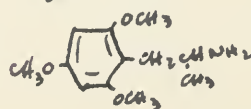


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≡ MMM (TMA-2) (page 54, 55, 64)

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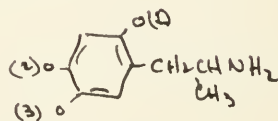
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ORTHO-DOT

← PARA-DOT

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IRIS

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4BR →

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147 ←

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harmaline" → 128

DMA

EMM

α-methyl tryptamines.

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x
x
x.

Subjective response to Mescaline.

4/16/60

Date 4/16/60 Subject Fts. Observer. Alfred.

DOSE 0.400 g. mescaline sulfate in water - preceded by 0.050 g. morphine one hour earlier. Slight bitter taste - but unpleasant.

CHRONOLOGY After 0.5 hrs. noticeable intoxication - 0.7 hrs first nausea successfully combated - at 1.3 hrs end of nausea - comfortable - slight speech difficulty - 1.5 hrs. first signs of movement and color distortion - 3.0 hrs. drug effect at maximum and remains there until 4.0 to 5.0 hrs. At 6.0 hrs. first noticeable sign of clarity from drug effects - at 8.0 hrs. - only slight symptomatic return - essentially normal. Next day (24 hrs.) still occasional color intensifications but these are very difficult to objectively distinguish from normal responses.

HALLUCINATIONS Eyes open: - none - within the strict definition of a hallucination being a synthetic illusion or vision generated without recourse to real or tangible stimuli. There was certainly visual distortion, etc.

Eyes closed: - world of motion and color - generation of apparently swirling clouds in intense color usually evolving from darker shades of blue and purple through green or red-green to lighter shades of pinks and reds. Also geometrical patterns, either in the form of colored wedges of light (usually passing from left to right) or in rectangularly symmetrical shapes, often with erotic suggestions. Plastic stimulation did not seem to be helpful. Towards the end of the drug's effect, occasional fields of color were noticeable, without appreciable motion or meaning.

4/18/60

VISUAL DISTORTION

In general very noticeable after the first $1\frac{1}{2}$ hrs to about 5.0 hrs. v.i.

→ DEPTH PERCEPTION

Distances between objects are incorrectly judged. On riding as a passenger in a car, the illusion that the buildings along-side the street, and the sidewalks, are crowding down on top of you, is remarkable. One tends to lean away from objects on either side, so as to try to compress yourself into a narrow space out of harm's way. Errors in judgement are on the conservative side so that danger is automatically avoided by an overly large margin. On viewing an abstract painting, the depth of paint application becomes apparent (undoubtedly incorrectly) as if each color had been applied on a separate layer of glass, and the entire picture assumes a three dimensional aspect that seems to expose the technique of the artist..... There is also a remarkable increase in textural and detail perception. Textures become rich in detail, and one can discern fine structured detail of nearly microscopic materials (apparently accurately, as verified by revisiting and reviewing objects seen). The bill of leaves and flowers are seen in revealing detail, without effort.

→ MOTION PERCEPTION

Very striking. Both inanimate and animate objects (although motionless) may be seen to be in rapid and continuous motion. It seems to be impossible to anticipate which objects will be seen next in motion. Peoples faces may seem to distort and crawl into different shapes. A person leaning upon a car will cause the car to be pushed rapidly into the ground. On closer inspection, the car which is rapidly descending into the ground is of course not moving, but

the wheels are rotating in a direction which resists the cars descent. This all seems real, continuous and logical. Watching the leaves of a plant from a distance, when the sun moves so as to fall upon them, they appear to raise themselves continuously towards the sun. As they fall into shade, their upwards motion is replaced with a downwards curling, continuous, as if to knot into a ball. Closer inspection shows that they have, of course, not knotted, but are actively knotting. The concept of continuous motion is not contradictory with the observation that after a prolonged period of observation, they are indeed in essentially the same position, but still knotting.

—→ COLOR PERCEPTION Most striking. The slightest differences in shade may be (need not be) amplified to extreme contrast. Many subtle ones become nearly phosphorescent in intensity. Saturated colors are often unchanged, but are surrounded with cascades of new colors tumbling over the edges. Intensification in color, rather, the easily observed differences in shades, is a remarkable reward for driving or walking through the country.

—→ TIME PERCEPTION Noticeable. Subjective time is lengthened. What seems like a half-hour of contemplation or observation occupies only perhaps five minutes. The radio seems to be lower pitched, and almost casual or indifferent in its content.

—→ INTERPRETATION During the initial phase of intoxication (2-3 hrs) everything seemed to have an humorous interpretation. Peoples ~~the~~ faces are in character; small ~~cars~~ cars seem to be chasing

4/18/60

larger cars - all the cars coming towards me seemed to have faces. One would seem to look like a detective, moving in regal pomp - another would be a wild old man running away from someone.

PHYSICAL COORDINATION

There is apparently no great decrease in physical coordination. An attempt was made to drive the car (on a relatively untraveled road, Grizzly Peaks Blvd) which was successful, except for an extreme conservatism and caution. In the event of a challenging situation (approaching car simultaneously with a horse-back rider on the right) the car was brought nearly to a stand-still to permit the insoluble problem to resolve. The overall effort was unpleasant, as one was forced to withdraw from the effects of the drug (anesthesia?) and there is also perhaps a 15-20 minute period afterwards required for the effectiveness to again take control. One prefers to observe, not participate in the surrounding world.

One occasion, while descending a rather steep path, I chose to reverse my direction, and executed a turn and climb, on loose and steep dirt, with completely ~~some~~ given ability. It would seem that in the event of necessary action or self-defense - one could and would muster nearly full coordination.

During the intoxication phase, there is some spatial distortion (similar to alcohol). This effect seemed to last well into the recovery stage.

Continued from pag 3.

4/18/60

MENTAL COORDINATION.

Here there is a considerable distortion. Philosophical problems seem to admit simple and rather obvious solutions. One does not wish to dwell for long on any one concept, however. It is possible to discuss one's thoughts with the observer, but it seems that the observer is merely tolerating ~~on~~ your ideas, but does not follow your reasoning. It is preferable to consider them quietly. There was observed an extraordinary dissociation of mind and body. One can look out over the landscape and travel along the line of sight. The body takes care of itself as far as moving is concerned. To swing one's eyes around the horizon makes one giddy, due to the rapid motion. The body seems incidental while the mind is some 100 yds. of sight, not the basic sympathy for it (detached) regardless that one should not allow it to come to harm. Self-harm is a real possibility however, through inadvertent walking into hazardous areas. It also is very difficult to concentrate on outside conversation. One's own thoughts and observations are too extreme and important - one tends instead to stare at the speaker - his colors, expressions, details.

MENTAL ATTITUDE

One of the most startling effects of this drug is the extreme empathy felt for all small things - a stone, a flower, an insect. I believe that it would be impossible to harm any thing during the effect, and to commit an overt harmful or painful act upon anyone or any thing is beyond one's capabilities. One cannot block a

4-18-60

flower - and even to walk upon a gravel path requires one to pick ~~his~~ his footing carefully to avoid hurting or disturbing the stones.

One tends to feel extremely conspicuous in a larger group of people, although according to the observer, one's behavior is quite proper although a little cautious or reserved. As to mental motivation one is content to observe at length, to contemplate nature in detail, and so to be somewhat reclusive, withdrawn, and unsociable.

GENERAL COMMENTS

The overall effect is very pleasant - the desire is strong to repeat the experience on both smaller doses (to perhaps permit one to be alone in safety) and on larger doses. Also to repeat the experience under a variety of external stimuli - with music available for contemplation - at the beach - at night. There is complete recall of all experiences and thoughts, after the drug has been discontinued. The feeling of comfort, introspection, and tranquility that remains afterwards may indeed have an effect deep after the treatment. One feels that this feeling may be prolonged and further enjoyed upon repeated usages. Such a change would be most desirable in many personalities - and may represent a therapeutic value for the drug in cases of anxiety and tension.

Sub-acute human in vivo tests - TMA.

4/18/60

4/13/60. Subject: A.B. dose 2 mg TMA. per os. 0.023 mg/kg
slight bitter taste - no observable RX thorough. next
& hrs.

4/18/60 Subject: A.B. dose 20 mg TMA. per os 0.23 mg/kg
slight bitter taste. - 1.5 hrs occasional flashes of
mesocaine-like color perception (white is intensified)
- distinct pleasure in sitting under trees (pleasure
of stimulation) - no nausea & no profuse sweating.

TMA-1

eq.

1. - (A.C.)	120 mg (1.5 mg/kg)	50g LSD
2. - (A.D.)	150 mg (2.5 ")	75-100 "
3. - (A.E.)	[180 mg (2.5 ") + 80 " $\rightarrow$ (3.5 ") (T 230 mg)]	100-150
4 - (A.F.)	180 mg (2.8 mg/kg)	100g
5 - (A.G.)	200 mg (2.8 ")	"
6 - (A.H.)	200 mg (3 mg ")	"
7 - (A.I.)	150 mg (2.7 ")	75-100g
8 - (A.J.)	150 mg (3 mg ")	100-150 g
9. - (A.K.)	180 " (3 ")	"
10 - (A.L.)	180 " (2.8 ")	150 "
11 - (A.M.)	180 " (2.7 ")	150-200 "
12 - (A.N.)	200 " (3 ")	150 "

Remarks - ¹⁾ I did not try to determine threshold
²⁾ Effective dosage $\pm$ 2.7 mg/kg $\pm$ 2.4 mg/kg
³⁾ Mesocaine-like effect: peak-experiences &
color effects, illusion

4/25/60.

Date 4/22/60

Subjects

Gladys
Hugh
Irving

observer.

ATS.

DOSE

see page 2. no anticholinergic administered.

SUBJECT

Gladys

After a short period of nausea lasting from about 0.8 to 1.1 hrs after the administration of the drug, the subject seemed to be in a good mood. There was some tendency to over-appreciate an average joke. Coordination seemed essentially normal - able to work a problem accurately on a slide rule. At about 2 hrs. had to leave the laboratory to talk with a visitor briefly - experienced no insufficiencies in talking with him. At 2 1/2 hrs took a long walk (about a mile) and seemed to lack no coordination or ability to protect himself from traffic. Riding in a car evidenced some claustrophobic and loss of accurate distance estimation. At 3 1/2 hrs found listening to music extremely enjoyable and found he could lose himself completely in it. Would lie on the floor with his head under a blanket. Reported a euphoric association with it (eyes-closed hallucinations) but could talk to the other subjects voluntarily at any time. Made the statement "If I had a little more of this drug, I could have an orgasm to that music". (Stravinsky: Rites of Spring). Subsequent Chopin Piano Etudes and Bach Church Organ of music seemed equally pleasurable.

He would become very irritated at the conversation of others if he wished to attend to the music. This vocalized request to "shut up or go into another room if you want to talk" was his only aggressive symptom.

Sub-acute human in vivo tests = TMA.

4/13/60. Subject: TT. dose 2mg. Thru the pm. 0.023 mg/kg
slight bitter taste - no observable fx through, next
& has.

1/15/60 Subject: H.B. dose 20 mg TMA. H.B. loss 0.23 mg/kg
slight irrit. test. - 1.5 sec. occasional flashes of
russocine-like color p.p.in (white is intensified)
- distinct pleasure in holding under test (photic
stimulation) - no an. or v. reflexes.
Re - viz - no disturbance of coordination.

1/17/60 Subject Gladys was born. TMA wt $149 \pm 0.7\%$ wt. kg.
distinct cephalic - no umbilicus - possible color.
intestines - no motor disturbance or any
generalizable malformations. 3 hrs - no significant
findings seen.

1/22/60. Subjects: Gladys wt 135 mg 1.7 mg/kg } all per
Hugh wt 140 mg 1.8 mg/kg }
Irving wt 140 mg 1.8 mg/kg }
in all subjects - distinct evidence of some
nausea - comparable amounts to equal-weight
dosages of Mescaline. Drug actions comparable
to form 1 to 2 times this wt. dose of Mescaline
indicating a pharmacological potency of 2-3 times.
Observer comments - see page 9. & seq.

FOLDOUT BLANK

4/28/60

He had very little desire to eat, seemed to have very little mescaline-like color or motion syntheses. Left the subject at 5 hrs, at which time he was definitely withdrawing from the drug's effect. By his report there were essentially no remaining effects at 8 hrs, although he complained (as did his wife) that he was in a grouchy and irritable mood the next day.

His general impression was that his dosage was with a "drugged effect" equivalent to 300 or 350 mg. of Mescaline but definitely not as much as 400 mg. (i.e. 2-2½ times the potency of Mescaline). When asked if he would like to repeat the experience he seemed indifferent, saying that it was interesting but he preferred mescaline.

SUBJECT Hugh There was very nearly no nausea response of this subject to his nearly-equal dose of the drug. (Subject is exceptionally sensitive to the emetic effect of mescaline). At 1½ hrs experimented with the phetac stimulator, generating (eyes-closed) patterns of palm-leaves and swaying trees. Became somewhat talkative, fell into a role of joke-telling (some what poor jokes, which he told very well, however). He seemed a little light-headed, and responded in an unusually out-going manner to questions.

During the 1-mile walk he was quite aware of the mescaline-like perception of detail and commented on his (presumed) ability to sit and philosophize upon the behavior of birds (he is a bird-watcher). He felt that he would be able to remember ~~these~~ their behavior because he could correlate it to his own, and thus better

understand it. He was struck with his capacity to observe his own personality objectively, and found the various components of it to be separately analyzable.

At 3½ hrs. (during the music experiment) he became extremely (and annoyingly) talkative. He would discuss the origins of languages, how they are derived from the environmental needs of the people, and that perhaps languages of unknown origin could be traced by correlating basic words or word-stems, and the geographical terrain requirements. And then more such philosophical wanderings.

He would occasionally fall into a deep reverie, from which he would emerge full of conversation, talk for a while intensely - the retreat to his thoughts. There was no impairment of mobility - he would wander around the room. During the music, he lay on the floor and kept his eyes fixed on the ceiling (a turrety-textured surface) and found interwoven ~~with~~ motion in it.

Repeatedly his self-description would return to the fact that his personality was divided and exposed, that he felt he could understand his psychic structure most clearly. He commented that the psychiatric use of the drug would be interesting to him.

At 5 hrs., accompanied the subject back to his car, and at 5½ hrs. he felt capable of driving to San Francisco. He had no assignable aftereffects except for a slight stomach-ache the following day. No grouchiness.

His general impression was that the drug was not completely pleasant, as it

Continued from page 9.

4-28-60

allowed him to intimate a view of himself. He would try the drug again only for a specific reason. However, it did reiterate his opinion that it had value in psychiatry.

SUBJECT Irving

There was no nausea experienced after taking the drug. Subject had, initially, with mescaline, moderately severe nausea, which decreased on each subsequent trial. At about 1 1/2 hrs he got quite happy, appreciating the current joke telling more than it deserved. The 1 mile walk seemed to fatigue him, but there was no apparent physical lack of coordination. Of the three subjects, he seemed to show the least drugged effect. The car ride evoked no unusual comment or action.

While the music was in effect, he chose to quietly lie down and observe the stroboscope, in which he believed, but was not sure, he saw shapes and patterns. He seemed to be ~~more~~ more interested in my reaction to his reactions, and did not choose to ignore my presence.

I left him at the 4 hour point, at which time he seemed to be withdrawing from what few symptoms he ever had.

The following day, there was no report of any after-effect, and, his general memory ~~was~~ was of an extremely light effect from the drug. He was indifferent concerning a re-trial of the drug, felt that the little effect it had didn't warrant waiting a day.

Subjective response to TMA.

9/16/60

Date May 14, 1960 Subject ATS Observer Al Fred Gladys

DOSE 225 mg TMA-HCl in water (alcohol bitter taste)
0.050 mg Mescaline 1 hr. before

CYTOLOGY. At 0.8 hrs. moderately severe nausea - can be referred - fades out at 1.3 hrs. at 1.5 hrs first awareness of mescaline-like effects build up slowly to 2 1/2 hrs - start of intensive aggression - 3.0 hrs back down to mescaline effects with only occasional lapses of the intense type feeling - at 7 hrs mental effects essentially gone - able to drive a car rationally.

HALUCINATIONS eyes open none eyes closed mild shape-illusion and color motion synthesis - much less than with an effective dosage of mescaline.

VISUAL DISTORTION In general, very dependant upon the chronological elapsed time. During the bulk of the experiment, some channeling - varying to a wall-in near blindness at the short-duration extreme of the drug. see below.

→ Dalton perception: During the short duration of the extreme effect of the drug, the range of vision seemed to close in. Probably things at a distance were visible but did not register on the conscious mind. One kept wanting to swing one's hands out and around to keep complete submersion from occurring. This corresponds in time with, and is undoubtedly responsible for part of, the extreme aggressive response discussed below.

9/16/60

- Motion Perception - very slight - some crawling of textured surfaces - similar again to mesocaine.
- Color Perception - slight. at nearly the most intense portion (building up to it) hamburgers were being made (no desire what-so-ever to eat) and the catsup had an intense red, 3 dimensional blood appearance. This was certainly in part a reflexion of the murderous mood that was developing. Withdrew from the area quite voluntarily.
- Time Perception: Time was slowed in proportion to the intensity of the other effects. During the $\frac{1}{2}$ hr of intense effect, it seemed like many hours.
- Interpretation: Nothing noticeably new. Auditory interpretation very interesting - see under mental attitude

PHYSICAL COORDINATION

There is some speech difficulties - but very little patience with these limitations. Slight rubberiness in muscles - attempts at vigorous exertion during the intense effects of the drug were ^{and after} unduly, were more tiring than usual. Also - there did not appear to be any exceptional strength. Swung a heavy stick against a tree - the spirit was willing but the flesh weak. Minor teeth chattering.

MENTAL COORDINATION

The mind is frantically active; one is very impatient with the inability to speak easily and quickly one's ideas. One is completely aware that the effects are due to the drug, but the effects are real and cannot be ignored. Every word and motion is rapidly evaluated, and remains usually unuttered, due to concentration and time required. Response to a direct question is possible, but the suspicion are present as to the secondary motives behind the question.

MENTAL ATTITUDE

Herein lies the extraordinary effect of the drug. During the early period of the drug effect, after the nausea, I sat on theavenport and read Bernstein's Song of Moses. To me, every phrase was audible to me, and I found the book exceedingly pleasurable. According to an observer (Alfred) I was preoccupied about the music (the book), and insisted that one had to have either a knowledge of music theory, or the drug, to appreciate the work. Also - I insisted that Bernstein had had the drug when he wrote the book (condemnation of him musically?).

(At about 2 hrs. I listened to music from the radio. Rachmaninoff's 2nd piano concerto was playing (with which I am quite familiar!) I curled up under a blanket in front of the radio (desired of a euphoric form of with

9/16/60

head more or less down between legs. The feelings in this extremely pleasant period are very difficult to describe. I was associated intimately with the structure of the music. With my eyes closed, I was suspended, inverted, held by the fine filagree of the music, in a comfortable, fantasy? chamber. The vigorous solos & arpeggios of the first movement were the chords that supported me from overhead. It was beautiful. After it seemed like an eternity, the movement ended, and I rejoined my observer, and attempted to describe the impressions. The 2nd movement started, and I recreated under the card table, lost again in the pensive currents.

After the first, there was a period of commercials, that put me into a very aggressive state (unfortunate in light of subsequent involvements). I was irritated with the ~~cessation~~ cessation of music. The next selection was "Slaughter on 5th Avenue" (most, most, unfortunate). It was from this musical selection that I emerged in the extreme psychological state of violence.

For the next 1/2 hr. (objectively) (subjectively it seemed without end) the violence of action seemed to be the only way of life. (N.S.) mentioned that she had seen many people working down the street with the same intense, devil-cross-me-if-you-know-what-I-would-do-for-you-attitude on their faces. Apparently my dinner was murderous; no observer would object to any thing that I said or cross ~~at~~ any decision of mine.

9/16/60

It was in this living that I was asked by an observer (Gladys) if I could see in it even the same mescaline-like colors and textures that I was familiar with. I recognized the similarities. He then asked if I could hunt the flower. Without hesitation I took the blossom and crushed it in my fist, an act that would be normally most difficult to do, and which under mescaline, would be impossible absolutely impossible to do.

At one point Gladys asked me if I thought that I might do well with a tranquilizer (he subsequently admitted that he was concerned as to the extent of my suggestion to the drug) and my response was a veiled threat to push him down the stairs if he tried to "manicure" me. He did not pursue the subject.

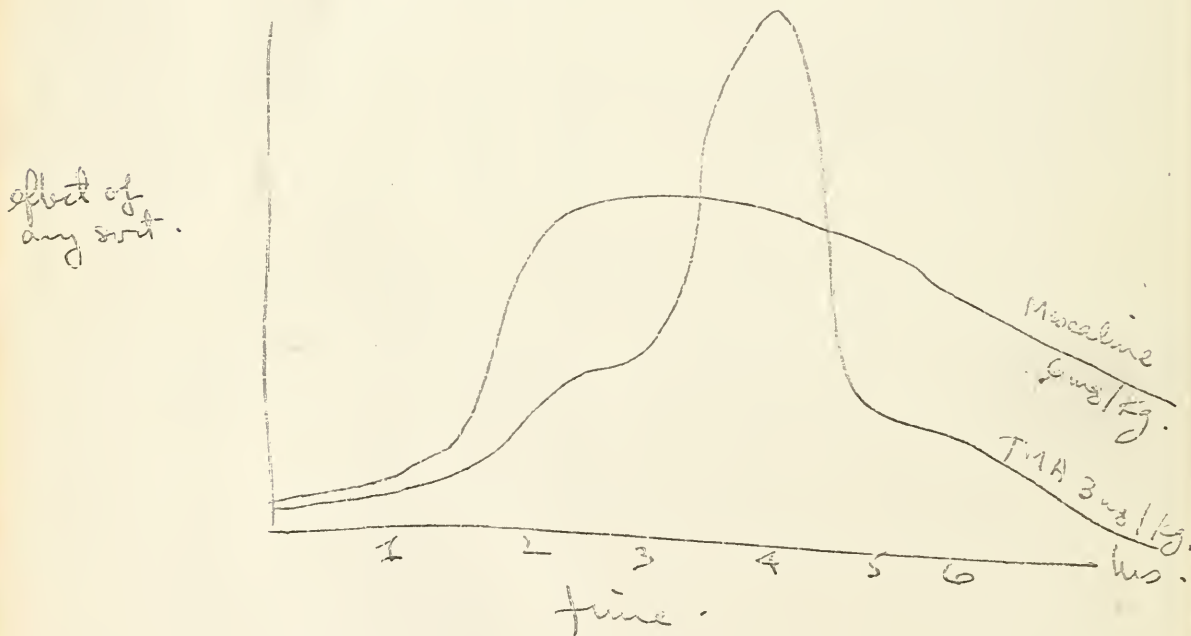
After the intensity of this reaction had subsided, (Gladys) suggested a ride in the car, and my comment was that "it should be safe, there is a great deal of steel to protect people from me." We went into the ~~the~~ eucalyptus grove behind the botanical gardens at Cal. It was found that I had brought a big stick. (D.E.) I picked up a stone and mentioned that I could, without hesitation, scratch a gouge in his fender. He inquired why I didn't, and I admitted that I recognized that I would, the next day have to pay for the damages. It was this reality-awareness that stayed my hand. But I could easily see how another person without this heavily inhibited social consciousness, could easily

9/16/60

for a variable. At this point, I had already passed the maximum of the drug, and I could reason in this manner. If I had been confronted with the same situation an hour earlier, I may very well have scraped a nasty gash in his fender.

GENERAL COMMENTS:

This drug - to an extent, approximated mescaline in its effects. Try to compare by a graph:



The idea attempted to be foreshadowed is that in almost every comparison, T-1A was similar to mescaline, but comparable to a smaller dosage. BUT; in the middle of this somewhat ~~and this~~ uninteresting.

SUBJECT

Continued from page 13

9/10/60 -

exposition there emerged an unexpected effect that was alien to mescaline.

No observer can be objective. I do not know if these effects are the result of the drug -

1) creating an image of an aggressive neurotic in me; and my response can be blamed on an inherent property of the drug; or

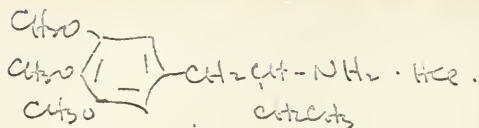
2) the drug released a natural, but repressed, facet of my personality; and with another subject the quality of the response would be completely changed.

These problems can be resolved only with much more extensive experimentation.

DE-TMA has subsequently been employed, primarily under the eye of Hugh, in dose levels of 2.8 to 3.5 mg/kg on five assorted subjects. Without exception there was a thorough response, summarized in the Nature paper - him & Gladys

Sub-acute oral effects - AEM.

3/5/61



all oral.

3/5/61	150 μ g (sub)	(.002 mg/Kg)	(low)	no effect.
3/7/61	1 mg	(.011 mg/Kg)		no effect.
3/31/61	2.4 mg	(0.027 mg/Kg)	(11M)	distinct taste - no effect.
	6.5 mg	(0.73 /Kg)	240M.	Bitter
				pales up to 22 apprehension. no effect.
4/1/61	9.1 mg	(0.1 mg/Kg)		nothing
4/3/61	13.1 mg	(0.15 mg/Kg)		some tremors? - cites to concentrate
				possible muscular effects?
				no effect.
4/6/61	18.5 mg	(0.21 mg/Kg)		negligible effect.
4/13/61	30.5 mg	(0.35 mg/Kg)		" "
4/20/61	49 mg	(0.56 mg/Kg)		" "
4/26/61	80 mg	(0.91 mg/Kg)		" "
5/10/61	123 mg	(1.4 mg/Kg)		no effect.
5/19/61	178 mg	(2.0 mg/Kg)		no effect

at this level TMA would be really effective - there is no nausea - no real muscular effect - certainly no mental effect. conclusion - AEM less active than TMA.

Subsequently. (~ Dec) took, orally 220 mg (~2.5mg/Kg) - no assignable effect
 Unless further evidence comes into play, this is all.

I have read pages _____ to _____ in this notebook and underlined their contents. There are no blank pages, except _____ All entries are in the handwriting of _____

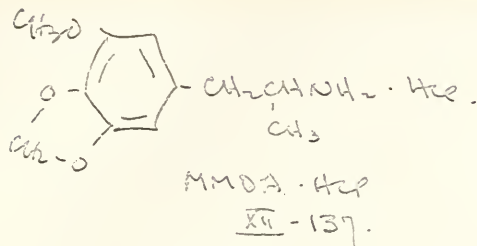
Signed: _____ Date: _____

Signed: _____ Date: _____

THE DOW CHEMICAL COMPANY

Subacute oral effects MMDA.

1/29/62 et seq



C₁₁H₁₅NO₃ · HCl

M.W. 209 + 36.5

at 170 lbs., and as free base

90.5 mg (as · HCl)
 = 1 mg / Kg (as f. base)
 all oral

date	time	amt	=	
1/29/62	5:40 AM.	0.25 mg	=	0.0025 mg / Kg 6:00 AM - hip & thigh muscle shin aching - but then I kiss sides yesterday. 6:00 no effect ∴ not hyperalgesic no effect.
1/29/62	7:00 AM	0.25 mg	=	0.025 mg / Kg. no effect.
1/30/62	6:25 AM	7.1 mg	=	0.078 mg / Kg. no effect. slight dizzy moment at 7:10. Undoubtedly amphetamine - otherwise in a nut.
2/1/62	6:32 AM	12.3 mg	=	0.136 mg / Kg. no effect.
2/6/62	6:50 AM	20.9 mg		no effect.
2/12/62	6:40 AM.	34.8 mg	0.38 mg / Kg	(free base) no effects.
2/26/62	6:38 AM	55.0 mg	0.6 mg / Kg	as free base. - ~ 8 AM - possible elimination of intake & nausea - felt quite ill - some diabet. - pulse 116. 11 AM - fine.
3/5/62	6:30 AM	76.4 mg	0.85 mg / Kg.	distinct effect - see page 22.
8/6/62	6:40 AM (1/2) 6:58 AM (1/2)	94.3 mg	1.04 mg / Kg	distinct effect - see page 22

GLADYS

see page 104 for more subacutes.

add to Dows. ~ 9/62. CC - in 6 — 150-250 mg confirmation of brain waves.

Subjective Response to MDMA-HCl.

3/28/62.

DATE March 5 1962 6:30 AM Subject ASB
Observer A.O., A.P.

DOSE. 76.4 mg (0.85 mg/Kg)

Chronology. 0:15 - pulse up into 90-100 area - very apprehensive, but it was up there anyway - there was no dilation of the pupils yet - but a strong urge to abort the experiment anyway. Burning of tongue. 0:25 pulse back down to 80-85 so it immediately was noted. 1:00 no further effects. 1:30 eye dilation (50%) and distinct but occasional urges to nausea - mild. Thinking - wish to vomit and walk up or down stairs, as if purposefully, to ~~be~~ be doing something. 1:30 - 3:00. Period of mental numbness, with added occasional periods of stomach queasiness. Attempt to recall Chem. Subjects - cannot maintain concentration - 1st line is unrecallable after 2nd line is read. Keep checking in on Herb - not through apprehension. (there isn't any, now, whatever) - but just to be active. Take a while to WBS - but cannot think with any ability. Have sad feeling that previous sentence didn't note my sense. At no point any color, motion, nor sound effects. After 3:30 effect, light as it was, rapidly disappeared, and return of desire to eat was appreciated (no more queasiness). No after effects - normal appetite & sleep in PM.

DATE Aug 6 1962 7: AM Subject ASB obs. A.O.

as free base.

Dose 94.3 mg (~1 mg/Kg) took in two chunks 15 min apart, to help circumvent the possible pulse effect. There was no noticeable pulse change. at ~ +40 min - some intox - some nausea - both severe (confabulating) at ~ 1 hr to 1.5 hrs - no vomiting - nausea goes - intox lingers about another 1 1/2 hrs - no noticeable mental numbness this time - at ~ 2 hr. slight synthetic ~~motor~~ motion in a pile of rags - couldn't identify the rags from a distance. No tactile change - marginal but real effect. Had eaten 1 sandwich 2 3/4 hrs prior to experiment.

THE DOW CHEMICAL COMPANY
UNIVERSITY OF CALIFORNIA MEDICAL CENTER
SAN FRANCISCO 22, CALIFORNIA

SEARCH AND DEVELOPMENT LABORATORY

29 August 1962

Doctor Sasha Shulgin
Dow Chemical Company
Walnut Creek, Calif.

Dear Sasha:

JAY & myself tried the MMDA on Sunday, 26 of August.
Our log follows: (taken by KAREN up to 11:30)

10:24 100 mg orally

10:55 felt reaction, saw slight green tinge in shadows
of faces. Pupillary dilatation CC. No dilatation
for W. L., but he felt "layback."

11:05 Volluble, constant movement of hands & feet (as per
usual for me) W. L. experienced the "floats."

11:10 CC felt warmth & muscle "tone" (almost quivering)

11:30 Departed for Marin country with LOU
(originator of (TEXVOR)) Shopped in supermarket at
about 0.8g.

12:30 Arrived at home of MARTY and NANCY (Magnificent
oriental stage in living room.)

1:00 Picnic with no effect on taste. Still .8g, very pleasant

2:00 Experience comparable to 20 MG LSD 25.

2:30 Feeling relaxed, composed

3:00 Back to normal; feeling of having taken amphetamine.

3:30 Returned home; approx. .9g.

4:30 Slight feeling of "green apples" in stomach

9:00 Eyes still dialated; a little restless but slightly tired

11:00 To sleep. Slept well. Awoke refreshed and happy.

Look forward to you meeting Odessa

Regards

IRVING

RECORD OF SUBJECTIVE

Observations on Psychoactive Effects of Methoxy Methylene ioxy
Amphetamine

IRVING

11:20 a.m., Saturday, September 1, 1962 - 110 mg. MMDA orally

100 kg → 1.8 mg/kg as free base

by phone - had said "in 30-45 min, Anvil over head."

MMDA tastes awful. The bitter alkaloid taste is followed by a distinctly chemical laboratory flavor as if from old rubber tubing. This is easily dissipated by a drink of fruit juice and cookies. Nothing seems to happen for about 45 minutes when rather suddenly an anvil seems to lower itself over your head; you feel disoriented, and tend to withdraw from social contact a little. In an hour you feel like wandering off into the hills alone. This drug gives less feeling of being ill than mescaline. The effect definitely reaches a climax with a pleasant afterglow following. Apparently there is no profound motor coordination deficit. Although I didn't feel too steady, I could run down hill at full speed without falling. Would probably have trouble juggling though.

200 mg. MMDA yields that "Sunday afternoon" feeling of desiring to lie down and enjoy life; a luxurious feeling of "layback."

No enhancement of colors in visual scene (except some greenish tinge in faces) but on closing eyes hallucinations appear to be quite real in 3-D; like watching a movie. First these dreams appear in black and white but later color starts appearing. Chartreuse and magenta first appear, then blue and finally red. First had visions

(Continued on page 2)

enjoy this feeling as I anxious learner. I am prone to be prone.
 I feel just a little bit incoherent, possibly slightly ataxic.
 Here, I just lie out in the sun; I've never been so completely
 relaxed by anything before. It is a new way to sidestep worries
 and just enjoy life. I feel a sense of lucidity and contact
 with the world and I can wander around, up and down the hillside,
 among the trees and trees, with no problems at all. At then a little
 later I want to get away from people - just lie down with my thoughts
 and visions. There are no feelings or no feelings. The superior
 state comes in waves like a great roll of ocean. Just the way
 affects start appearing, and self-will is almost a sensation in
 the warlike animals as the "atavism."

I think I am in an excellent pose. Here I flop in on my sub-
 conscious without going to sleep, at least. There's a little
 feeling of impersonalization. Earlier in the day I felt my legs and
 feet were detached from my body when I walked. Head in a side to
 side; an illusion somewhat akin to the sulfuric effect causing the
 lighted end of a cigarette^{to} appear to detach itself from the body
 of the cigarette when waved in a semi-dark.

Just now I am in my eyes, I am able to see some very brilliant
 royal purple velvet encrusted with silver nodules on an ermine white
 background. The scene changes to a rich, alien effulgent light
 pervading everything when I turn with eyes closed towards the sun.
 However, in snatching the eyes, the whole scene becomesrenched in
 brilliant blue. A feeling of warmth and trepidatiousness pervade me
 as the eyes close. It was most pleasant to be with

client

people and to communicate to them the feelings and visions I have recently experienced. Paul lost his memory for hours temporarily. Heads cleared around 11:00 A.M.

This drug should be felt as a relaxant and sedative. The psychiatrists should be able to make good use of it if in fact it proves to be as it seemed to me a conscious state with no subconscious. It seems dreams are experienced while being awake and very real appearing scenes flit by as if in the movies. I have never felt so profoundly relaxed. felt fine the next day. last two hours am felt relaxed and refreshed by awakening.

IRVING, (the silly guy)
 I have - you said you
 could get it duped...
 Hey - you like
 QUIN

Quin

MMDA / MINIATURE HIGH

I believe 2.3 mg/kg.

I use the word miniature in the sense that I would describe a piece by the jazz pianist Bud Powell as a miniature.

Comparing a Beethoven piano sonata with Autumn in New York as played by Powell would be analogous to comparing ~~MMDA~~ ^{Mescaline} and ~~Mescaline~~ ^{MMDA}. MMDA comes through as a miniature high -- everything is there but in lesser quantity and duration.

MMDA stops barely short of the Olympian Universe of time-ceasing and organic and inorganic radiances. The immediate part of the high is about two and one half hours in duration. Rather than a cessation of time, as there is with mescaline or psilocybin, there is a kind of timelessness during the first mescalinelike hour of the high. There is more ~~of a~~ feeling of stupefaction than there is with most highs.

In a car climbing the Berkeley foothills I went into a terrible fear. ~~The second worst I've had.~~ It only lasted a few minutes -- but it did not matter in the timelessness how long the panic lasted, it was eternal. I looked out onto the grassy hillside at the dead silver-brown grass. In the expanse of field I could see each separate blade of grass gleaming ~~with~~ and the

trillions of brown-silver blades blended together into a vast wavering fur. Far below was the panorama of foggy Berkeley and Oakland and the bay. --It all began to loom in timelessness and beauty. --I thought I was going to enter the Olympian Universe. I WAS NOT PREPARED FOR THE OLYMPIAN UNIVERSE! --I had been expecting something like marijuana. I realized that if I entered the Olympian that I hadn't yet recovered sufficiently from my last high to hold myself together.

Heat swelled in my genitals and rose to my stomach. --I felt an agonizing ~~and~~ ^{and} ~~terrible~~ fear. I wanted to ask the others to go back so I could take thorazine. I couldn't talk. The car swerved around a hair in bend in the road giving me another view of the silverbrown grass-fur and the vast unwanted dearness of the view.

Suddenly I was fighting with 'Captain Zero' -- I mean the whole disordered and eternity-seeking consciousness that is no longer mammalian in nature but belongs to the order of molecules and inert matter. I decided that all I could do was to go with it -- to let zero take over, but then I was sure that I would not come back. ~~When~~ I tried to hold back the high but ~~I~~ realized I would do myself damage that way. Then I tried to get on top of the whole high and control it. All in all, I tried perhaps fifteen or twenty ~~xxxxxxxxxxxx~~ ^{almost} unrecalable ~~and~~ ^{and} undescrivable means to ~~either~~ control or escape the high.

--^{During} ~~During~~ this time I believed that I was going to pieces and I would possibly never be with the human-world again. My insides were going wild and my conscious mind seemed to be the only force holding me together. At one point I managed to ask

experience to and and to return to the teenagers' daily lives and realities ~~but~~ I had adjusted enough to make it through the high. My companions closed their eyes and began having brain movies. (Earlier ^{my eyes} ~~xxxxxx~~ had been forced shut many times by the author's hallucinogenic pleasure.) Now I closed my eyes as not wanting brain movies or visions. Then I closed my eyes experimentally I saw only glimmers and glowing blackness.

We talked desultorily and dozelessly and I realized that I was able to see through the eyes of my companions. They were seeing stark reality exactly as I saw it. I wanted to talk to FREDO and find out ~~what he was like~~ ^{and} I found talking too difficult. My eyes were beginning to close again with exhaustion and pleasure.

When I lit cigarettes I could not find my lips well and they were numbed. Matches kept blowing out in a wind that was not strong enough to blow them out. We wobbled when we walked.

We stayed in the little sand of trees. I sat for a while then got up and sat in another place. Then I got up again & etc.

X Except for visual sensation, which was just on the verge of rescinding or psychosis in vision in clarity, I seemed to be sealed from sensation and living in a kind of hyper-lucidity of sense -- a pleasant paradox.

I lay back and closed my eyes and practiced raising the golden Kundalini (the Serpent Power) from the base chakra through my body. I ~~xxxxxxxxxxxxxxxx~~ succeeded in raising the power, for the first time, past my shoulders and into my head. I realized, as I did it, that I was not truly raising the Serpent Power but rather cleaning the nerve tubes. However, I achieved

SUBJECT

DATE

grayish-clear affective pictures of the chakra nerve centers.
It was a good feeling.

The crystal clear air gave bright green sharpness to the evergreens. Looking at trees of leaves or plants was like a mild masculine high. Fir trees became living, green, modern sculptures of strange Indian rococo beasts -- as if the sculptor Pinschitz worked at their trimming.

The malais like feeling began to end and the doze-like feeling ~~went~~ with it.

I walked to a redwood grove where other members of the party were sitting. I was struck by the absolute and superb ~~xxxx~~ beauty and clarity of the people and the trees and air and the music that played over the portable radio. I felt close to the children and admired their beauty. At this point I realized that I was simply sitting and enjoying a Sunday noon ~~xxx~~ in its full pleasantness. Ordinarily I would have been bored with out more to do. The next couple of hours became a pleasant and beautiful picnic. The come-down was abrupt but not unpleasant. ^{mean} ^{body} Time passed with swift rapidity for the rest of the day. Two hour periods would flash by. Late that night I was kept from sleep for half an hour by brain movies -- little crocodiles running across dusty roads through spotlights in the darkness, magic evergreen trees fading into and out of ~~xxxxxx~~ reality, and ~~xxxxxxxx~~ anecdotal sequences of brain visions.

SUBJECT

BOOK NO.

AN ONSOUR, P. TNOTE

A week after taking MDMA I woke in the middle of the night and as I awakened I felt that there would be no reality but only nothingness. I was horrified and threw myself bolt upright in bed and opened my eyes instantaneously.

Shelley says:

Lift not the painted veil which those who live
 Call Life; though unreal shapes be pictured there,
 And ~~they~~ ^{it} but mimic all we would believe
 With colors idly spread; behind, lurk Fear
 And Hope, twin Destinies, who ever weave
 Their shadows, o'er the chasm, sightless and drear. . .

The awakening I had was definitely a reaction to the MDMA. Yesterday I talked with a man who has taken too much lsd. I tried to avoid speaking of hallucinogens but he was insistent. As I described some post-hallucinogen states of extreme anxiety regarding the nature of reality the man began to writhe in his chair, wring his hands, and ~~lost~~ the ability to speak. ~~He~~ ^{He} ~~had~~ ^{had} ~~been~~ ^{been} ~~in~~ ⁱⁿ that state. While speaking with Ra he identified it as an anxiety state and pointed out that it is not only related to hallucinogens but is a not uncommon anxiety state for those who haven't had drugs.

Ra accounts the state to an arising of ~~sub~~ ⁴⁸conscious material to the surface.

34
That seems fine and true enough -- as good a name for what
is happening as any other. What it does not clear up is the
intuitions that I have that strengthen and contradict each other.
I am aware of two feelings: That the 'material' is of a repressed
psychological nature in the Freudian-Reichian sense and that
there is also another order of 'material' confronted. The other
order is that of the molecular level of consciousness. I mean
a part of ourselves more related to the philosophical ~~xxxxxxxx~~
consciousness of sea urchins and sponges -- who are no more than
the tugs of their desires and hunger and the consciousnesses
of their motions and withdrawals -- who are an actual conscious
part of the physical universe and the actual being of their
protoplasm in the 'Surge of Life.' It would be interesting if
what we so surely call the ~~unconscious~~ or 'Unconscious' were
in reality two or more vastly divided parts of our being that
are both commonly inaccessible.

I am not saying this to strengthen my argument that I con-
fronted the molecular consciousness on LSD. I was in too much
of a fear state to be definite of anything when I think of it
now two weeks later.

-- But I am intuitively ~~xxxxxxxx~~ sure that
we are meeting two unknown areas -- both repressions and a
~~xxxxxxxx~~ molecular-philosophical-Universeconsciousness. I have
a strong feeling that the second of these should be left untouched
by both psychiatry and happy-day investigations. We mess with
some structure that should remain unknown ^{because it is known by being.} -- Unless the experimenter
is aware of the risk -- or ~~goes at~~ ^{goes at} slowly in an investigatory
manner with ~~the~~ caution.

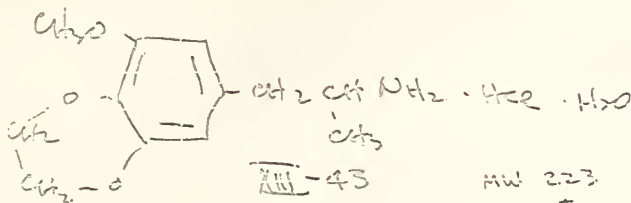
QUIN

SUBJECT

BOOK NO.

Subacute oral effects of MEDA

4/5/62

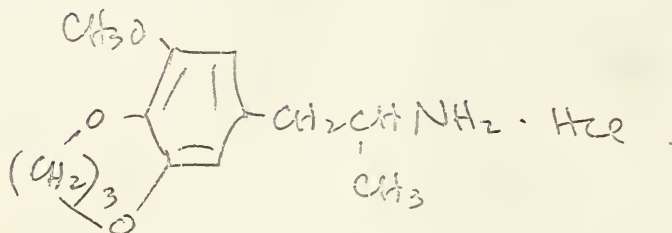
at 170 lbs, anches
five have
$$\begin{array}{r} \text{HW } 223 \\ + \\ 56.5 \\ \hline 18 \\ \hline 277.5 \end{array}$$

date	time	amt	
4/5/62	4:25 AM	0.10 mg	no effect. not hyper.
4/5/62	5:10 AM	1.0 mg	no effect.
4/5/62	6:40 AM	4.0 mg	at 1-2 hypnarch. drunk - but it was probably just me this AM.
4/9/62	6:00 AM	7.0 mg	no possible effect.
5/1/62	6:30 AM	10.6 mg.	no effect.
6/20/62	6:50 AM	15.8 mg.	no effect.
9/7/62	7:10 AM	29.6 mg.	no effect.
9/8/62	9:58 AM	60.2 mg.	no effect except maybe a little hyperthyroidism.
9/15/62	7:15 AM	100.8 mg.	slight effect. definite excitability - possible initial distribution slow on, slow off (2-5 hrs)
(9/25/62 - IRVING - 200 mg - no effect)			

SUBJECT

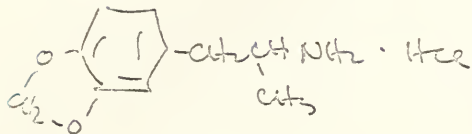
DATE

Subacute effects of MTDA-HCl



date	time	amt.	notes.
10/14/62	4:00 PM.	clab (~100ug)	no effect
10/17/62	11:30 AM.	2.0 mg	
	11:30 AM.	2.2 mg	
	12:00 noon.	4.2 mg	
			total 8.4 mg. no effect.

5/17/61



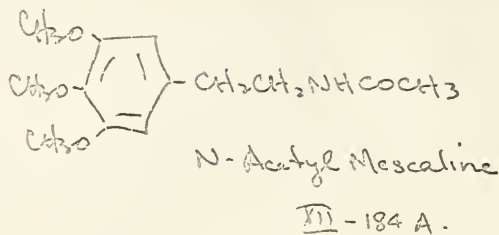
1/11/72 AT5 - 20 mg - collect urine & serum samples - Occasional flash

SUBJECT

Subacute oral effects N. Ac. M.

DATE

2/27/62 et seq

 $C_{13}H_{19}NO_4$

MW 253

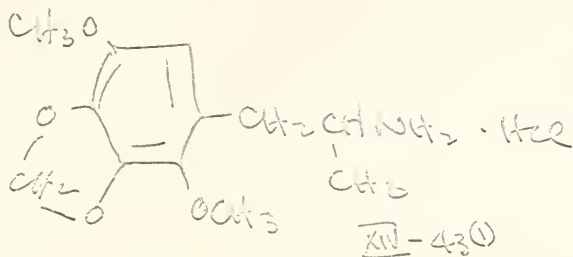
at 170 lbs

77 mg = 1 mg./kg.

Date	time	amt	
2/27/62	5:53 AM	1.0 mg	N.R.
2/27/62	6:50 AM	5.0 mg.	N.R.
2/28/62	3:06 AM	12.4 mg.	N.R.
3/1/62	6:28 AM	27.2 mg	musty distinct taste not quinine-like bitterness of the free amine salts.
3/29/62	6:30 AM	47.2 mg.	slight musty taste
8/26/62	11:45 AM	73.6 mg.	a little as a solid directly on tongue - bitter - but not too much so. rest - in 1 hr (v 25 mg) no effect.
11/1/62	7:25 AM.	118.9 mg	no mental or central effect. PM - strong persistent pain in kidney - 10-12 AM - leg atonia (slight). Believe these to be first signs of toxicity - this is probably last trial - this.

Sub-acute effects of DMMDA.

9/19/62

MW. 273.5
free base 240

date	time	amt	notes.
9/19/62	1:35 PM.	0.9 mg.	bitter - no effect. no hypersens.
9/19/62	7:00 PM.	4.6 mg.	(post frozen - in) - no effect.
9/21/62	4:10 PM.	4.2 mg.	no effect.
9/25/62	6:50 AM.	18.3 mg. → 16 mg base or at 80 Kg	real - act - see next page. 0.2 mg/Kg.
11/15/62	7:17 AM	24.7 mg → 21.5 mg base at 7.6 Kg	quite thorough - see page 35 0.283 mg/Kg or 0.3 mg/Kg. 44
3 April 1967 ~ 5/67	GLADYS	25. mg	
~ 7/67	A.C.	~ 50 mg. active -	
7/4/67	GLADYS	35	as much toxic as active - cramp again - not worth it.

V DMMDA

- 1.- 50 mg in doses of 10 mg every 30' - no effect (C.N)
- 2.- 50 " (capsule) (CB) Comp. to 50 & L5b. Abstract thinking & some imagery
- 3.- 75 " (IRVING) " " 75 & L5b. imagery, insight into relationships.
- 4.- 75 " (BM) " " 100 " " . Religious - aesthetic exp.

DMMDA

10/9/62

Date Sept 25, 1962 Subject ATB Observer - A.O., A.R., A.P.

Dose 18.3 mg (0.2 mg/Kg) (6:50 Am).

At 0.5 hrs drove to Pittsburg - no indication of nausea or any peripheral symptoms. Added SVE & a distillation - seemed to gradually become intoxicated. 1.5 to 2.5 hrs. talked with AP, TERI, SVE, others - distinctly wound up and intoxicated. 2.5 to 3.0 hr. spend in driving back to Walnut Creek. Wild drive. Feeling of speed of car not accurate - would observe mountain motion, overlay of scenery as my car's elevation changed - philosophized on all relative motion (advancement, retreat, ascent, decline,) completely dependent on motion of observer as well. Then I would think to watch the road again. etc. From 3.0 to 4.5 hrs. this high period persisted. My actions must have been noticeable but none commented. During period 4.5 - 5.0 there was a noticeable drop off of intoxication and was able to play a very acceptable game of bridge 5.0 - 5.5 hrs. The knowledge of "not-being-me" lasted on, however, and at 4. hrs I drove home. This drive was still a little detached and unreal, but was nevertheless under control. A martini at 11. hrs. completed the wash out - no after effects, no sleep problems.

This is a marginally active dosage of what may be quite a SCS or psychotomimetic drug. Must approach higher dosages with caution.

I have read pages 22 to 23 in this notebook and understand their contents. There are no blank pages, except _____. All entries are in the handwriting of _____

Signed: _____ Date: _____

Signed: _____ Date: _____

Subjective Response to DMMDA.

see pages 28, 29.

11/15/62

Date. Nov. 15, 1962

Subject MS - Observer AO

Dose 24.7mg (0.3mg/kg) 7:17 AM. All times corrected to this. I shall transcribe my notes taken throughout the experiment, as far as they are legible. Comments are added in [].

Time. Remarks:

- 8:15 Intoxication hit - very very like LSD eyes 30% dilated [there was absolutely no preliminary warning in the form of nausea]
- 1:45 Shaky - leg problem [knees a little weak] not much more intoxicated - eyes 50% dilated.
- 1:55 Intox. load - mild depersonalization (as if LSD) - took crap, wiped - saws really scary - eyes closed - slight early - muscaline clouds - no color [this was last vomiting in nearly 4 hrs - cannot recall amount voided]
- 2:00 Time seems slightly slowed - warm feeling in genitals - may yet be nauseated [handwriting deteriorating]. Tried to proof-read a couple of papers - wow [actually did an excellent job]
- 2:05 teeth rubbing - legs a bit ataxic (very mild) still feel a little wobbly.
- 2:10 talk a little gasped - taste in throat of something eaten a couple of hours ago (nothing) - slight nausea.
- 2:15 arm ataxia now [handwriting is bad].
- 2:15 good to drink water - no motion no color.
- 2:20 Time subjectively slowed - feel that several people have become aware - AO assures me not so pulse 92 [felt guilty - being in back of lab looking at clock for sin - long 15 seconds - felt certain I was conspicuous]. AO am certainly as intoxicated as under 80ug LSD.
- 2:35 suspect AQ known [he didn't, when I confided in him later] AO says no - must remember well-known joke [which undoubtedly seemed

OVER

Time:

Comment:

3:00

much more funny than it was - I laughed
unrestrainedly }

must be paranoid [I sure was] - I am sure

UMA knows also [UMA] but how can

I ever find out - paradox of observation -
reflexes are excellent although coordination
pretty grim [handwriting pretty grim too]

3:15

into dark room - α-ray there [spelled correctly]

everywhere from sky light - interesting 3D

effect from nude on door - must check

[actually it was a photograph of the

cushion she was resting on that had the

3D effect - had to feel to make sure button

and cushion weren't attached in reality to

the door] afraid of discovery - ~~was~~ coming

out - seen by both VAL and WIND

[WIND] - they both looked at me strangely -

verified that they couldn't have seen me

come out of dark room Janitor's closet [true]

druggedness of lot LSD - but seem to be

able to cope w people

teeth still rubbing - no nausea

3:25

4:05

mental stuff going fast - I am hyperthyroid -

but luckily ~~is~~ = pretty good coordination -

intoxicated still - going full blast. I

may recover [at this time I sailed into

storeroom to wrap a gram bottle of

methylene-dioxy amphetamine for GLADYS - swept in

did the job - swept out quickly & efficiently]

lucid - clear

4:25

4:45

eat lunch - mouth doesn't quite work right

yet [the apple was almost too much] [and seemed

incredibly noisy]

5:15

5:45

seem to be out of the drug OK [handwriting worse

occurs to me to urinate. Hadn't all

SUBJECT

BOOK NO.

DATE

morning. Small pass - strong color [no odor]
 right eye still dilated, left almost
 normal [It seems to be difficult to
 function the muscles necessary to
 urinate - could there be a little
 paraplegia?]]

6:05

teeth still disturbingly rubbery. I'm going
 to load up on coffee.

7:15

(2:30 real time) passed another so a urine-
 color O.K. all will be O.K. - write all
 this up now [which I just did, at this
 time].

end of comment notes.

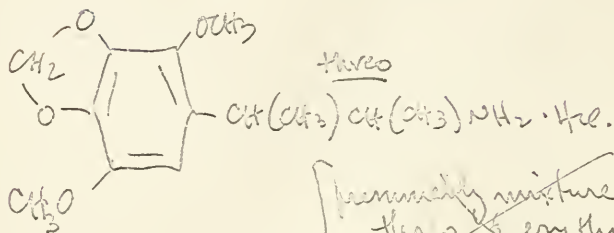
Time 3:00 PM (7:45 of
 experiment)

at 8 hrs - urinate again - but muscles still don't seem
 to be right - also still some tremor in hand -
 tingle in legs - apparently really have some
 CHE shock.

eye dilation gone at 8:00 PM (13 hrs) and urination
 apparatus worked normally. slept well - pm. excellent spirits.

Subacute effects of S-1495

10/21/62



MW 229.5

free base. 254

[racemic mixture of threo & erythro] not so - is threo.

XIV-95 B.

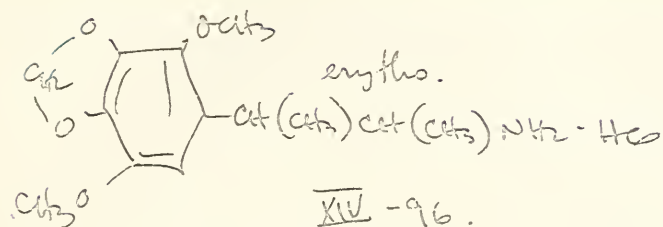
date	time	amt	notes
10/21/62	10:30 AM. ✓	data	
10/22/62	7:10 AM ✓ 7:40 AM ✓ 8:25 AM ✓	1.8 mg 2.0 mg. 2.8 mg.	no effect (7.2 mg)
10/23/62	11:10 AM	12.4 mg.	no effect.
10/25/62	7:20 AM ✓ 8:05 AM. ✓	19.9 mg 11.2 mg.	no effect (31.1 mg)
11/10/62	9:58 AM ✓ 10:58 AM ✓	51.0 mg. 30.4 mg.	8/4 mg : possible marginal effect - see page 47.

SUBJECT

DATE

Subacute effects of S-1496

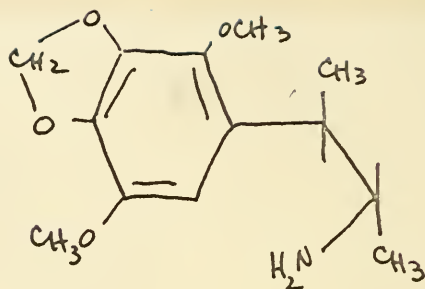
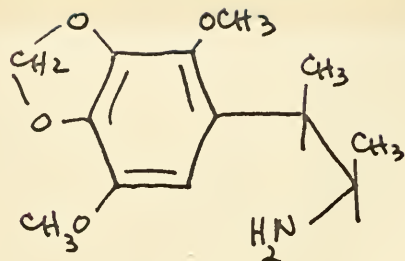
10/22/62



date.	time	amt	notes
10/22/62	11:00 AM -	dab.	no effect.
10/29/62	9:20 AM. -	0.7 mg	(5.1 mg) no effect.
	9:55 AM -	1.1 mg	
	10:23 AM.. -	1.3 mg	
10/31/62	7:00 AM. =	5.1 mg	(9.7 mg) - no effect.
	7:35 AM	4.6 mg	

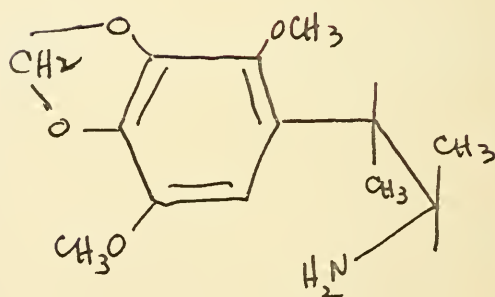
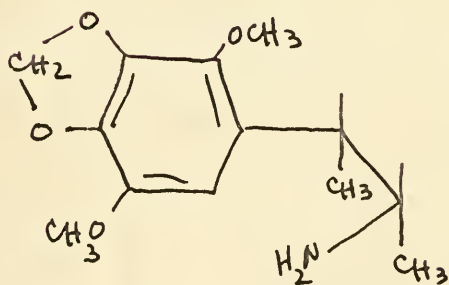
SUBJECT

DATE

L

erythro-

threo-

D

erythro -

threo -

SUBJECT

BOOK NO.

DATE

Marginal effects from S-1495

see page 44.

81.4 mg (in two doses, 1 hr apart).

= 71.4 mg base, at 75 kg ~ 0.95 mg/kg.

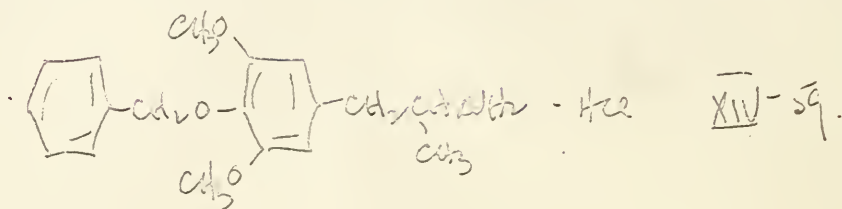
time - from 1st dose

2:30 teeth distinctly rubbery.

3:00 Hyperventilation - quite willing to sit by VPC. and appear busy. Possible mental numbness - I feel that this level is not active, quite, yet - but if a larger dose is possible, then 1 mg/kg will be the first level of perceptible activity.

SUBJECT

Subacute effects of Benzylparydimethoxy amphetamine



date

time

amt

notes.

initial

time

dose (mg)

d.f.

II BTMA

- 1) 5 mg (AR) no effect
- 2) { 10 mg (GLADYS: very suggestible) - emotional
15 mg after 90' - reminiscence, imagery
- 3) 100 mg (AS) no effect
- 4) 120 mg (AR) comp. to 75 mg LSD
- 5) 150 mg (CAF) " " 100 mg " or 180 mg TMA-1
- 6) { 100 mg (CAT) comp. to $\approx$ 75 mg LSD. Followed aft. 90' by
80 mg $\rightarrow$ " " 100 mg "
- 7) 180 mg (AG), More intense than 200 mg TMA-1

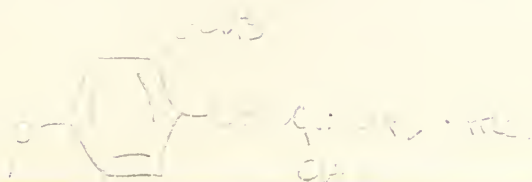
Conclusions: threshold not directly ascertained. Probably at 30-50 mg, both threshold of Ss 2 and 3 being exceptional (threshold in general is about 25% of effective dosage)

Effective dosage: 150 - 180 mg

Comparison to TMA-1: more intense reactions in smaller dosages in two, (5 and 7)

SUBJECT

Subacute effects of MDMA-2



10.5 mg (10.5 mg)

at 170 lbs.

= 1 mg (10.5 mg base)

III MDMA-2

C.N.'s notes.

- 1 - 10 mg (AV) no effect
- 2 - 15 mg (AV) increased empathy for 20 hrs. (??)
- 3 - { 15 mg (AW) slight headache after 45'. After 90':
20 mg no change. After 60' of 2nd dosage:
20 mg, adding up to 55 mg. Threshold effect.
- 4 - 40⁴⁰ mg (AX - 180 lb) Comparable to 75% LSD
- 5 - 20 mg (AX) - No effect
- 6 - { 20 mg (BB) - no effect
20 mg " "
20 mg (totalling 60 mg): after 60', alternation between tension and deep relaxation.

Conclusions:

Threshold: probably about 40 mg. (in spite of S. 2 border and S. 4, ~~over~~)

Threshold:

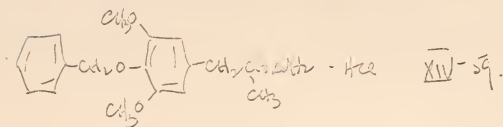
Ss: 2 and 4 reactions are consistent, indicating thr. of ± 15 mg
" 3 " 6 " " " " " " " " 50 "

Psychologically the latter are undoubtedly ordered beyond the average. Threshold probably ± 20 mg

Effective dosage - probably ± 60 mg

SUBJECT

Subacute effects of Benzoyloxydimethoxy amphetamine



date	time	amt	notes
10/12/62	7:10 AM.	diab (100ug)	no effect.
	9:58 AM	2.1 mg	no effect
	10:43 AM	(+ 4.0 mg) 1.9 mg.	no effect (at 4mg).

12/62. GLADYS reports maybe something at 25 mg. (11/26/62)

1/6/63 GLADYS distinct - wakeful (amphetamine-like) - hypnagogic imagery - could not sleep at night with mind doing many uncontrolled (50 mg) tangential busy things - (big Sur?) - off 2 amphetamine & urine

1/67. AC 5mg - fleeting nausea.
 AC 10mg intense experience.
 +15mg - on for 24 hrs. Childhood vanescences - Xmas press
 AC 25mg - 1 hr add to total
 70mg = 100pc LSD

Subacute effects of MDMA-2

17

$$\frac{d}{dt} \log(f_2(t))$$

2. ~ 1 mg?

See next
page 5 - the page

50

AQ

collected in the
the same way

11/20/1911

1:50 - 1

五

157

slightly off - we have
see page 51

LADYS

7 my

no effect. ~~2~~

9/3/63.

GLADYS

18 + 10 mg $\Sigma 25$

thorough. ~~after only~~
page 109 ~~more~~

3/14/76

10:30 AM

ATZ

8 430

no effects

12:00 noon

ARTS

16 May

 $\sim 10\%$

3 hrs - completely ~~gone~~ gone at 6 hrs - New year
grosses - fair ches. outside normal.

1.00 AM ATS

24 v

25

57 2m

thresholds (3:30) largely clear. Are the reds and oranges enhanced at (Fov)

(continued, page 215.)

Letter AD 2/11/77 - Stoop desc. response
curve; 4 at song; 1 profound fear 2 hrs; 1
in sensory flood, to forest; 1 - joy, one
almost imperishable. g.v.

SUBJECT

DATE

Possible marginal effects from
MMDA-2

4/19/62

Dose - 10.4 mg orally $\approx$ 115 μ g/Kg -

The bulk of induction show a good chance that this level is active - 50 - then 150 or 200 μ g/Kg may well be an effective dose and will therefore be maybe 25 M.V. This would have wacky implications, strongly challenging the whole mechanism theory.

At 10:00 mentioned to AO possibility of effect - as I had been drinking beer in the night before - a slight nasal feeling - there was no dilation (10:30) - not as usual - 10:30 - nasal feeling compared to normal - slight nasal irritation - no tearing. Slight dilation (11:00) seen with int. felt to be white - this is very similar to 10:00 at 10:45. This shows the reaction at first. 2:00 PM - dilation gone - muscles all ok again.



This drug showed several effects that we best explain in terms of TMA or of masking.

The 'overall effect', described on page 40 as "dizzy - hood - over - head - descending" is directly from TMA. In it one has good vision, good sense of hearing, and can think and talk satisfactorily. It is that something all around you, possibly over you as well, is restricting you from the world. An extremely loud noise, deafeningly loud, which you can't hear. One may ~~be~~ sit for a while, be aware of being able to think well, no problems, so sum up with the stated conviction that the whole thing is psychosomatic, an imaginary illusion, but here it is - the DHOHD all around you. True, you can't hear it, see it, feel it, but you know it is there - no one else around you is even aware of its existence. With MIND-2 it was more for a couple of hours. With TMA it lasted and actually caused in me, eventually to be point of turning to cut off my vision and my hearing. Perhaps = MIND-2 but higher dosages it may close in on it. It is, rather for TMA - more hostile.

One thing must be said for this "hood-effect". It in certain ways insulates you from extraneous distractions. If you want it to. Admittedly, sounds, sights come through, but you can ignore them - at higher levels, without doubt, you will have internally generated sounds and sights to self distract. Perhaps this is a valid imitation of partial schizophrenia.

The philosophical opacity and wit were very reminiscent of mercurial interaction. As recorded in my notes "my mind was concentrated on my chemistry". Actually this was said because I would trust myself to correctly weigh out several samples of a material in the lab, for eg. screening - I couldn't be sure of the right weight, right

continued from page 40

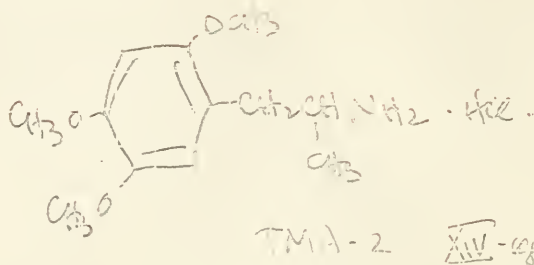
11/20/62

XENON

YAGO

Subacute effects of TMA-2

11/23/62



date	time	amt.	notes
11/23/62	4:50 PM.	4.00 mg	
11/24/62	2:15 PM	2.9	
	3:00 PM	2.0	
	3:30	2.4	2.77 no effects.
11/25/62	6:00 AM.	11.5 mg	
	6:58 AM.	13.8 mg	25.3 mg when over-dose see → also 64.
7/24/65	GLADYS	10 mg	see page 108
~7/3/66	via AC	15 mg + 15 mg	no black out. visual. considerable insight, also nausea & vomiting. stated $\approx 100 \mu$ LSD.
~2/6/67	GLADYS	15 mg at 5:00 PM	by 6:07 aware - peak 8:00 PM. 10:30 sleep but awake at 2:30 AM still going on. Descent of shining letters on a chain - watched letters go by - but they didn't spell out anything. Took second - GI upset gas - cramps.
early 67?	via AC	~40 mg -	not overwhelming - $\approx 100 \mu$ LSD - falls short - sexual

Chronology, of Intoxication and Description of EffectsThis from a Dow
report GP 1039

All times in the following are stated as times from the first ingestion. Observers' notes have been interwoven when appropriate.

n.nn

TMA-2

eq. in LSD.

1.-	(AY)	{ 10 mg, followed after 90' } 10 mg →	25	
2.	(KACEN)	20 "	50	22
3.	(AZ)	20 "	75	13
4.	(BC)	30 "	75-100	11
5	(AV)	40 " [> 60 mg TMA-6]	100	22
6	(BA)	40 "	100	22
7	(BB)	40 "	75-100	
8	(AT)	[30 " [> 60 mg TMA-6] + 30 "	75 100	22
9	(BL)	50 "	100-150	19
10	(AW)	60 " group setting	75 75-100	
11	(BE)	60 " " "	75-100	
12	(AR)	60 " " "	100-150	

Remarks: 1) Different to compare with LSD because of qualitative difference: tranquil, non-dramatic etc.
 2) Best results w. 40-60 mg
 3) Qualitatively different from TMA-1, but comparable to TMA-6. Also different from MDA & MDMA.

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Chronology of Intoxication and Description of Effects*This from a Dow
report GP 1039*

All times in the following are stated as times from the first ingestion. Observers' notes have been interwoven when appropriate.

0:00

~~_____~~
Ingestion of 12.5 mg (as hydrochloride) or 140 $\mu\text{g}/\text{Kg}$ as the free base. (There had been no food consumed during the previous 12 hours.)

1:00

Ingestion of a second 12.5 mg. (TMA-2 has a very slight alkaloid-like bitter taste - neither unpleasant nor lingering.)

1:20

Pupils show slight dilation, light muscular tremor, initial nausea, and an onset of diarrhea.

1:30

Cholinergic effects moderately severe. Teeth are chattering and vibrate when rubbed together. Pulse 80.

1:40

Only a moderately severe nausea is left. As has been observed with LSD-25 intoxication, the symptoms of nausea are complete,

except for the desire to vomit. This phase receded over the following 20 minutes. Pulse unchanged.

2:00 to 3:15

During this hour, the complete syndrome, except for intense color effects, of severe mescaline intoxication developed. There was essentially no nausea, and the world was filled with distorted, moving things, all quite humorous. Peoples' faces were grossly distorted, and there was very little thought or worry of personal safety. Muscular coordination quite good. Time passed slowly. Conversation both coherent and clear.

3:15 to 4:30

At about 3:15 the first indications of still further mental and physical capitulation to the drug became evident. A numbness of the fifth, and part of the fourth, finger of the left hand was frightening, and the recovery of this "asleepness" constituted a mechanism of preventing further inundation. Compulsive massage controlled this physical dissociation although asleepness of the

SUBJECT

DATE

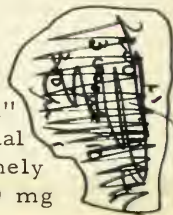
knees, muscular and abdominal cramping also began to occur. In cycles there would be periods of relative simplicity followed by periods of nausea which could be relieved in part by attempted (but unsuccessful) vomiting.

Simultaneously with the physical cycling occurred a mental, intellectual occultation that, fortunately, possessed a different period. From the beginning of this hyper-mescaline stage (about 3:30), waves of near-unconsciousness occurred. The hallucinatory motion-of-real-objects became unavoidable and overpowering. Periodically, at the crests of cycles, an impression of fainting would occur, and it was felt certain that to lose the thread of return would mean never to recover mental integrity.

Fortunately times of mental and physical stresses did not correspond. Subjective time was badly distorted. A short visit to a dark room was unbearable due to the active and frightening hallucinations.

4:30 to 5:35

At about 4:30 a return to a recognizable "mescaline-intoxication" was the first believable indication that there would be an eventual recovery. A drive through the countryside proved to be extremely humorous and enjoyable, comparable to peak effect at about 500 mg mescaline.



5:50

Rapid recovery from the above effect. Increasing periods of lucidity. Completely unable to eat anything.

7:00

Able to drive a car without misadventure. A mild stomach ache was the only remaining physical symptom. Occasional touches of unreality did still occur but were completely controllable.

12:00

No remaining effects. Appetite good. Sleep normal.

Conclusions

This drug, TMA-2, has an apparent potency of 20 to 25 times that of mescaline, and of perhaps 10 times that of its structural isomer, 3,4,5-trimethoxyamphetamine. If more complete studies show no increased toxicity for TMA-2 (all amphetamines so far have been similar to one-another), the improved therapeutic index (x20) would warrant the consideration of this chemical as a substitute for mescaline in psychotherapy and in clinical uses.

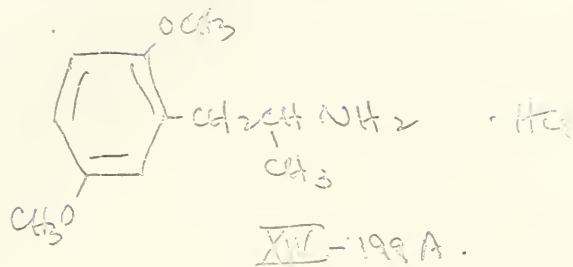
SUBJECT

BOOK NO.

DATE

Subacute effects 2,5-DMA.

1/29/63



Date	Time	amt.	notes
1/29/63	8:15 AM	2.5.	nothing.
1/30/63	9:50 AM.	2.5 mg.	nothing.
2/1/63	10:40 AM.	5.0 mg.	slight luster loss
2/5/63	7:12 AM.	8.0 mg.	no effect
2/11/63	7:17 AM	13.5 mg.	some redness in MM- Probably due to rubbing too fast at MM. slight luster rubbing. - no effect (?)
2/28/63	1:23 AM	20.0 mg	some C. moving - nothing in MM - possible.
3/3/63	6:50 AM.	35 mg.	enough effect - see page 58. irritant & intoxicant. <u>not psychoactive</u>

note extreme sim. to 4-MA (p.41) at 2x dose.

Subjective response to
2,5-dimethoxyamphetamine

3/11/63.

Trial 3/8/63. 35 mg HCl as hydrochloride - see page 46.

Taken orally at 5:50 a.m. Wake to lab

Times from 5:50 = 0 hrs.

1:15 Not losing consciousness - almost at lab. suddenly quite disoriented - lost perception all about experiment - was looking at feet to feet, forgetting what in gears. outages - onset of intoxication quite sudden. There was a cloud visual field, then just ~~high~~ high.

1:40 High - not coordinated - talking - now enjoying

2:20 } + : : : : : thoroughly -

2:30 T. heavy - literature search on this compound - quite coherent.

2:50 I am coming myself off OK. quite high - can think clearly - no vision field of now - no other things - have distinct feeling in chest as if heart pressure is high.

3:20 Still showing extreme amphetamine stimulation - must intoxication delay more slowly.

4:20 coming back to normal

5:30 all OK.

P.M. - slight stomach ache.

This has all earmarks of a stimulant and intoxicant - essentially no visual or intellectual distortion. Definitely - this is the active level, and this drug is not an psychedelomic.

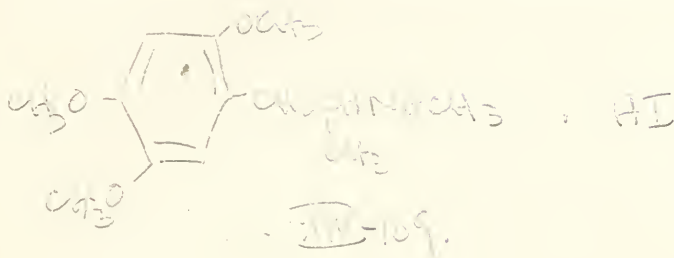
SUBJECT

BOOK NO.

DATE

Subacute effects N-methyl TMA-2

12/27/62

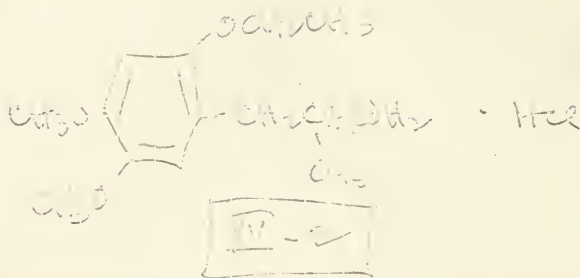


date	time	conc.	notes.
12/27/62	7:00 AM	dos.	nothing.
12/28/62	7:15 AM	5.4 mg.	possibly nig. or 1.5 mg. 1st - old being done of it - maybe was in the power?
12/31/62	8:30 AM	5.4 mg.	nothing.
8/22/63	7:00 AM	9.4 mg.	nothing
7/10/76	30 mg FLIP	n.e.	

DATE _____

Subacute effects S-1502

1/32 | 63



Date	Time	Dose	Notes
1/31/62	8:00 AM	0.1	10:00 AM, trivial nervousness nothing more.
1/31/62	5:00 PM	1.0 mg	no effects.
2/4/63	1:00 PM	2.0 mg	no effects.
2/6/63	7:00 AM	1.0 mg	no effects
2/11/63	7:16 AM	1.0 mg	no effects.
2/20/63	9:00 AM	0.8 mg	no effects.
2/27/63	Salt turning yellow	sign of decomposition.	
3/20/63	7:10 AM 8:40 AM	20.0 mg 7.2 mg	neurological LPA, other & just before use. no effect.

I have read pagesto.....in the
notebook and understand their content.
There are no blank pages, except
All entries are in the handwriting of

Signed: _____ Date: _____

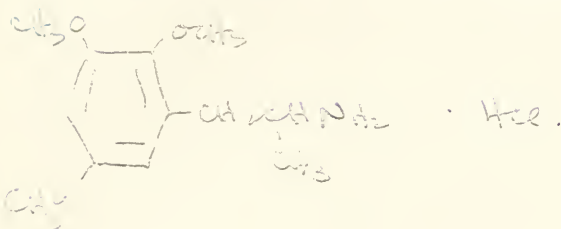
Signed: _____ Date: _____

SUBJECT

DATE

Subacute effects of TMA-4

3/17/63

See
IV-49

date	time	amount	comments
3/17	12:30 PM.	amb (as capsule)	nothing.
	3:00 P.M.	2.3 mg as Hce.	} 4.6 mg.
	3:50 P.M.	2.3 mg as Hce.	
3/18	7:00 AM	7.5 mg	} 12.1 mg no effect.
	8:05 AM	4.6 mg	
5/25/63	11:25 AM	18.7 mg	quite bitter - no effects.
6/15/63	8:10 AM.	26.3 mg	no effects whatsoever - no dilation.
~8/67 -	AC	what I have left.	~ ~ ~ 50% LSD.

TMA-4 (?) Concern about life issues, introspection, for about 6 hrs. No subjective physical symptoms. Comp. to $\pm 50\%$ ~~of~~ LSD congruent to (much more than 120mg TMA-1, for me)

$$= 78 \times 1.47 = 114.66$$

$$\frac{120 \text{ mg}}{78} \times 78 = 1.47$$

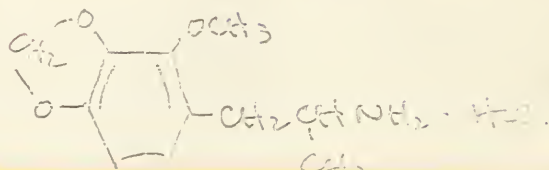
$$= 57 \times 2.2 = 125.4$$

SUBJECT

DATE

Subacute effects MMDA-3a

2/7/63

IV MMDA 3a

1. - 40 mg (BI) no effect
2. - 40 mg (BG) increased communication, imagery → 6 hrs.
3. - 50 mg (AT) comp. to 75 g LSD. After 90',
30 mg → comp to 100 g LSD
4. - 80 mg (BH) " " " (followed by attempted suicide)
5. 80 " (AC) " " " (unusual peak exp. after 5 days)
6. 80 " (IRVING) " " "
7. 100 " (AK) " " " (at least).
8. 50 " (GORDON) brought about psychotic episode, days duration
9. 80 " (BI) comp. to 100 g LSD

Conclusions:

threshold: Not clear. Probably ± 25 mg, in spite of S.F.1.

effective dosage ± 80 mg

qualitatively: More illusive than MMDA 1 or 2

" " " TMA-2 " 6

" 'magine', masculine-like.

aftereffects or coincidences?

3) 100 mg to 100 mg - 4 hrs KMS - 2 hrs suicide.

4) 100 mg - all cold and burning.

SUBJECT

DATE

Subacute effects of
Salvia divinorum

5/15/63

Attempt to ~~see~~ confirm and evaluate the use of leaves of the Shepherders (S. divinorum) as an intoxicant or as a hallucinogenic plant.

Date	Consumption	Comment
	AD.	
3/15/63.	7:40 1 leaf 1.2g	These leaves were large, older leaves from AD's greenhouse. First eaten without difficulty. Distinct taste of oil - which is bitter-sweet - a note of -
	7:45 1 " 1.5g	
	7:50 1 " 1.6g	
	7:55 " 1.0g	
	7:56 " 1.2g	
	6.0 g	There was

was probably no effect. Mild, light, warm, fuzzy at 7:40. But this was extremely nonspecific. 2 hrs later - nothing. Periodic nausea in the interval three times in this 2 hr period; copiously. Also had drunk lots of coffee, so....

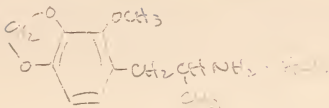
5/28/63	10:50AM several small leaves Σ 5.0g.	These were leaves which were left from the pruning and making cuttings of one of the
	11:10PM several more, Σg → 10g	

plants AD brought to the lab. Unfortunately prior to this trial I had consumed both dinner and a corresponding amount of wine. There was possible lightheadedness, but nothing dramatic, and certainly ascribable at least in part to the wine. Taste not at all unpleasant. An intensification(?) of the (wine) intoxication provides sufficient justification to build a greenhouse. Am doing.

~ 8/5/63	20 g	- possible transient fuzzy - not too believable.
~ 8/10/63	20 g	- initial face puffiness. not too believable either.

continued. page 96.

2/7/63



MMDA - 322

86/8163

10:15 AM.

20.0 mg.

effective dose - see page 66

in chld -
N 3/66 via KOZ 40 + 40 mg (at 3 hrs) - 24 hr. effect.
2. 100 mg to 100 lbs ♀ - foetal retreat
3. 100 mg to immature - 4 hrs REMs - 3 trials suicide.
4. KOZ 100 mg - all cold and burning.

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SUBJECT Further details on the TMA-2 Experiment
of 11/26/62 - See page 54-56.

BOOK NO.

DATE

Sitting with AD - between tendencies to faint.

I am sitting rubbing the fourth and fifth fingers of my left hand. This one of the last contacts with reality. Somewhere I have read that ~~malig~~ malign malignerers (those who shun illness to avoid obligations, however you might spell them) during subscription to the services, generated partial paralysis of the hands, and described what was known as the glove effect. The initial paralysis should embrace the termini of the fingers, a more complete effect embracing the hand itself, a total effect inactivating the entire lower arm. In some elementary elementary course in psychology I have learned that the true physiological sequence of manual paralysis extended vertically through the fingers.

For possibly this reason of knowledge, for possibly the reason that it really occurred this way, the little and part of the ring finger frequently went to sleep and the recovery from this "dleepness" constituted one real mechanism of recovery of the "same" world.

I have always had a morbid fear of various parts of the body going to sleep, in that if the sleep portion should embrace more and more of the whole body, that the disconnection of the mind and soul should be permanent, if and when the head or heart should, in turn, fall asleep. This memory and compulsion were sufficiently acute that I would not and could not let the members of my left two fingers spread. I rubbed them incessantly.

The body was experiencing, simultaneously with these effects, muscular and abdominal cramping of sizable proportions. In cycles, there would be periods of relative simplicity, where massaging of the knees and thighs would seem to be a satisfactory placation to the immediate ataxia experienced. These would be followed by periods of nausea which could be

SUBJECT

DATE

relieved by attempted (but unsuccessful) vomiting. Still, during these latter periods the impression was held that to curl up in one's own world and not to have to face the proprieties of laboratory life, would be ideal.

Simultaneously with the physical cycling occurred a mental, intellectual oscillation that, fortunately, possessed a different period. Once the mescaline-like intoxication had been displaced (the beginning of this middle period), waves of near-unconsciousness would occur. The 'motion-of-real-objects' pleasure of mescaline became a thorn of existence in an unreal world. Periodically at the crests of cycles, an impression of fainting would occur, and to lose the thread of return, would preclude recovery of mental integrity. Fortunately times of mental and physical stresses, both individually almost uncontrollable, did not correspond.

The assurance was held that this mental 'fugacity' was permanent. Requests to my observer, as to when the experiment would end, (his guess as to duration and as to when I would exhibit normal behavior, prompted me to try to achieve certain actions in a strained coherent manner, that would be acceptable as "normal". AD, of course, could give me no believable guess. In this light, I left him and went to the library unattended; also I proof-read and signed a letter to ZED. In near panic, I returned to the safety of my observer, convinced that my present state was irreversible and that I would have to adapt to life, henceforth, filled with learned actions (to appear sane) and frequent visits to the news room (to relieve nausea).

SUBJECT

Subjective evaluation.
see page 62

MMDA 3-A-

DATE

6/8/63

written 6/14/63

Time 10:15 AM (0 hr.) - dose 20.0 mg as the BS $\rightarrow$ 245.5
 $\rightarrow$ 209 free base, and at 178 lbs or 80 kg $\rightarrow$ 210 mg/kg oral dose.

Chronology. - this transcribed verbatim: [except brackets]

6:30 - 12:00 ($1\frac{1}{4}$ - $1\frac{3}{4}$) aware

12:10 ($1\frac{1}{2}$ hrs) decide not to tell BK [this all was at farm, sat.]
 seem to be aware that the max. is controllable.

12:20 ($2\frac{1}{10}$ hrs) time creeps - marvellous world [of] insects,
 the -OCH₂O- really rewards me.

12:45 ($2\frac{1}{2}$ hrs.) try eating - completely confident - will use
~~wine~~ [crossed out] ? - up.

1:15 (3 hrs). if it stayed forever like this, I would just
 have to let my apparent personality [concept can be
 recalled - see discussion].

1:30 $3\frac{1}{4}$ hrs $\downarrow$ rest.
 1:45 $3\frac{1}{2}$ hrs

2:00 ($3\frac{3}{4}$ hrs) out to bricks

3:00 (~ 5 hrs) out of drug.

Elaboration upon, and explanation of this chronologically
 defined diary follows. adjoining is the actual transcripts.

TUESDAY

15

MAY 1962

APRIL						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

JUNE						
S	M	T	W	T	F	S
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

8:00
 8:30
 9:00
 9:30
 10:00
 10:30
 11:00
 11:30
 12:00
 1:00
 1:30
 2:00
 2:30
 3:00
 3:30
 4:00
 4:30
 5:00
 5:30

11:30 - 12:00 AM
 12:10 - 12:30 AM
 12:40 - 1:00 AM
 1:10 - 1:30 AM
 1:40 - 2:00 AM
 2:10 - 2:30 AM
 2:40 - 3:00 AM
 3:10 - 3:30 AM
 3:40 - 4:00 AM
 4:10 - 4:30 AM
 4:40 - 5:00 AM
 5:10 - 5:30 AM

The initial dose was taken at the lab, as noted, at 10:15 AM. Employing the analogy gained heretofore, there would be, comfortably, at least an hour before effects, if any, would become debilitating. During the 10:15 - 11:15 period of grace, I drove the incredible Studebaker truck to Lafayette to procure a 1/2 yard sand, and had a spirited contest with a highway patrol officer whom, I was certain, was more concerned with the 1/2 quart/10 mile oil-contribution to the same problem than to my abilities as driver. In any event, there was no incident.

Sometime after an hour, I became aware of some intoxicative effect, while I was talking to the man who did the discing around the farm. I had opened two tall beers, one for him and one for myself, and although the day was hot, I could not drink more than a sip of mine. I immediately thought of the experiment and deduced that beer, regardless of how deficient in stuff, might have an adverse or confusing effect on the outcome. So, I listened to him talk for 1/2 hr, while I made what must have been inane and inconclusive conversational plays.

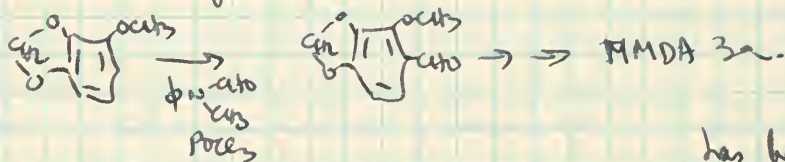
He left to make a phone call, and then returned to his tractor & discing equipment. I returned to my bricks and knew that it would be futile to mix mortar. I could indeed

6/18/63

lay bricks if necessary, but I had no heart for it. The piles of bricks (some 20 bricks high, i.e., 2x10 or about 2 ft.) had that "continuous-in-motion" style of falling associated with meselene. See page 2. It was extremely enjoyable to watch the bricks in continuous performance.

At this time I had my first serious thoughts about telling BK of the experiment, but decided not to. Some how, I knew that ~~if I could~~ I could probably fool her, and her not knowing would provide me with convincing evidence of the apparent normalcy of my actions. There was also an element of selfishness in it as well. Incidentally, there was quite extreme pupillary dilation at this point - there had been absolutely no indications of nausea or physical malaise with this material.

[I have just read (6/18/63) that, although the route I had used in the synthesis of this material



has been reported (JACS) and confirmed (Ber.) as yielding the isomer shown, a report in JACS recently claimed the generation of the lower melting isomer in equal amounts, which would have led to MMA 3b.

In my notes, I observe that I did not characterize the aldehyde from this formulation, but converted it directly to the nitrostyrene $\bar{c}$ EtNO_2 . This olefin was nicely obtained only after recrystallization. Although it is a 100% shot, it is conceivable that this response was due to MMA 3b. The compound is certainly unique (sharp melting nitrostyrene) but its structure permits argument. The unambiguous

SUBJECT

DATE

synthesis, through the festable nitro styrene of MDMA-3b, is being pursued forthwith. [ATS 8/29/63 - It was indeed MDMA-3a].

At about this time I became involved (as I had with mescaline) with the captivating world of insects. I found a measuring worm, and with great tenderness and patience ~~he~~ picked him up, observed his fore- and aft "feet" and finally placed him down on a leaf and watch him acclimate himself. There was also a spider on the bricks, and I was compelled to watch him in action. I was grateful that I was not being observed, so that I should not have to appear dutifully employed. Time was ~~no~~ quite slowed. I checked periodically with the kitchen clock - it moved quite slowly. It was necessary to move, intentionally, slowly, so as not to exhaust myself.

As mentioned in the chronological display (page 66) it became apparent to me the extent of the pleasure-giving (and possibly activity-enhancing) properties of the methylene dioxy ~~o~~ group as contrasted to the analogic dimethoxy pattern. Compare: Avos reported grey doughnuts and more on v 126 mg 3,4-methylene dioxy amphetamine, whereas there was nothing on the dimethoxy analog (same enfeeble). This, at least supports the ~~former~~ potency argument. There rests the enigmatic report of "no improvement over mescaline" description of 3-methoxy-4,5-methylene dioxy phenylethylamine. MDMA appears possibly more active than TMA, and distinctly of more gentle effects. ~~At a time, I~~ Also - MDMA-2 looks to be comparable to TMA-2 - but certainly none of the individual panic that accompanied TMA-2. Here, it is true that TMA-3 is untested (in truth as of the moment still in the nitro-styrene stage, so still not even synthesized), but ~~at~~ already, I am quite willing to test MDMA-3a, as it allowed a friendly experience.

SUBJECT

DATE

At 12:46 PM. BK made some sandwiches as lunch, and I volunteered to share them. My customary habit of a bit of Pinot C. & tuna sandwiches was converted to 7-up and ice. The sandwiches were uneatable. BK comment mid-way that the pickles were bad, and I was overwhelmed with the recognition that I was unable to distinguish bad from not-bad. Intellektually I knew that the sandwiches were OK., but they ~~filled~~ filled my mouth unceasingly, and I gave up. Instead, I watched birds ~~was~~ circling above the newly plowed field (we ate on the new patio) and sipped (and enjoyed) 7-up and ice.

The concept soon arose. (in the notes, about at 3 hrs.) that this condition might be permanent. True, this consideration has often arisen before, with LSD, as well as with TMA-2 and mescaline. However, with all these other materials, on all previous occasions, the rational ~~best~~ had been set forth that it would be possible ^{even} necessary, to learn and imitate the behavior of normal individuals so as to ~~to~~ perpetuate the sham of normalcy. In other words, one could and must set about learning to act in an acceptable normal manner, so as to conceal the true state of affairs.

With MMA-3a, the concept that flashed past the ~~mind~~ mind was totally opposite and is recalled here as well as possible. Here, it was, as mentioned above, considered a real possibility that the changes observed might be irreversible. The challenge appreciated, was not only to imitate "normal" behavior as would be necessary to fool one's associates, but to plot an extensive campaign of gradual change of personality so that, after a period of weeks or months, one could relax back into

SUBJECT

DOSIS NO.

DATE

~~Has~~ this pleasurable escape and have it accepted ~~as~~ go usual behavior. In other words, the capacity for intellectual plotting was, far from being lost, quite available.

It must be held noteworthy that both; 1).

this quite researched concept was totally recallable, and; 2) his attitude may well represent the approach employed by endogenous schizophrenics, in the concealment of their problems. It further is undoubtedly coincidence that this concept first appeared under this specific drug. It might be me.

Between $3\frac{1}{4}$ and $3\frac{3}{4}$ hrs (~ 3 hrs was max. effect) I rested, in the presence of sleepiness, actually to avoid brick-laying and close to try closed-eye effects. The results were questionable. I couldn't lie still. In pseudo-darkness, there would be some structured illusions or ~~as~~ as with LSD (commonly called eyes-closed hallucinations, but actually ~~closer~~ closer to the so-called brain-movies of MMDA. These were interpreted in an erotic framework, not unpleasantly extended by the awakening experienced by BK at 1:45 P.M. If left alone, I could have enjoyed my own company. The effects were pleasant.

There was a precipitous decline of intoxication from here on out. Soon, there were ~~no~~ no mental retreats, and thus 'laid bricks' all afternoon, and had martinis before dinner.

Afterthought - Loss of car-drivability during intoxication. Probably impossible.

Overall conclusion. a) will explore upon BK or GUARDS soon; also, will repeat. Pleasurable and perhaps rewarding.

6/17/63

SUBJECT

SAR's.

DATE

happy 38 birthday.

With the knowledge to date, and with the following assumption:

- 1) $O-CH_2-O \geq O-CH_3, OCH_3$
- 2) TMA-4 is inactive, as is TMA.

one may take recourse into a diagrammatic representation of the TMA series:

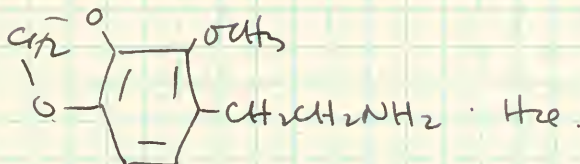
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I	○			○	○		○	○	○	○		○		○	
II	○	○		○○	○		○	○	○○	○	○			○	○
III	○	○		○○	○	○	○		○○	○		○	○		○
IV	○	○	○	○	○○	○	○		○○	○		○		○	
V		○○	○	○	○	○	○		○○	○	○			○	○
VI		○○		○○		○○		○		○○		○		○○	

SUBJECT

Subacute effects of XI-104

BOOK NO.

DATE 8/25/63



8/25/63.

3:30 PM

dab.

no effect.

9/1/63

10:40 AM.

4.4 mg

twinge of lightheadedness
at 5 min (fluke) - then nothing
- no dilation - no effect.

9/26/63

1:55 PM.

8.1 mg

(ate at noon) no effects.

11/20/63

7:07 AM

13.8 mg.

no effects.

Sample to GORDON
11/27/63

40 mg (TS)

no mental - but as if a
psychic energizer - excellent
spirits all day.

65 mg (TS)

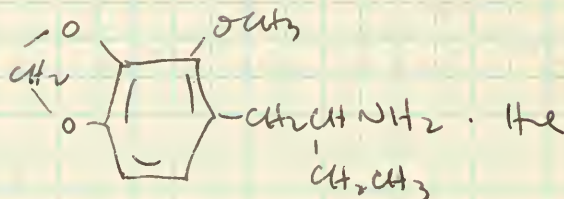
mood elevation - see letter
page 92

note Dow claims.

SUBJECT

Subacute effects of $\overline{\text{XV}}$ -105

DATE 8/26/63



8/26/63	2:10 PM	AS.	deb.	no effect - very bitter as after-taste.
8/27/63	1:10 PM.	AO	deb.	no effect.
8/29/63.	6:30 AM.	AS	1.0 mg	no effect.
9/7/63.	5:50 PM		1.9 mg.	this ~3 hrs after light lunch. no effect.
11/30/63	1:35 PM.		3.5 mg	no effect.

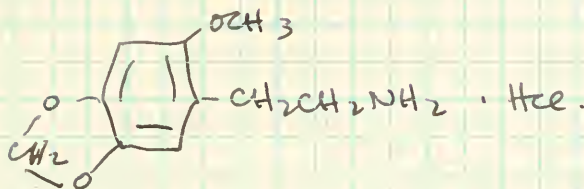
SUBJECT

Subacute effects of XV-106

BOOK NO.

DATE

9/2/63



date.

9/2/63

time.

9:55 AM.

1:50 PM.

dose.

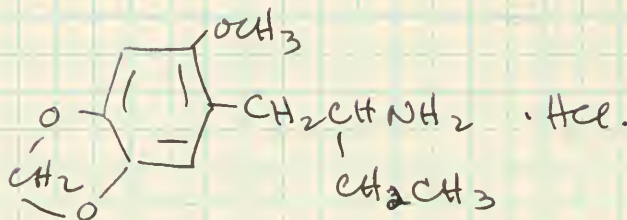
dabs (0.6 mg)

2.6 mg.

comments.

no effect.

SUBJECT

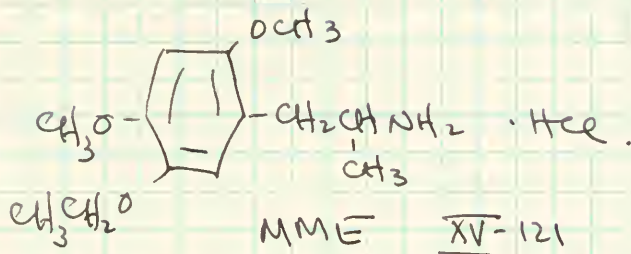
Subacute effects of IV-107 DATE

SUBJECT

Subacute effects of MME

BOOK NO.

DATE 9/3/63

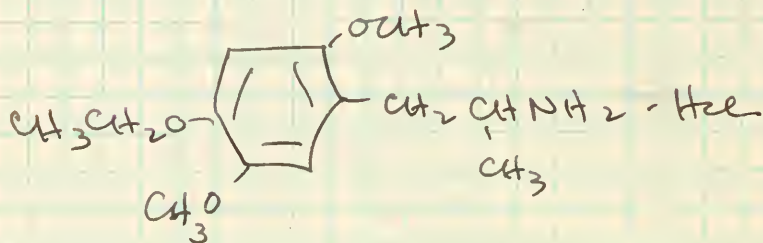


- 9/3/63	11:50 AM	ATS	0.3 mg	nothing.
9/6/63	6:30 AM 8:20 AM		2.2 mg + 2.0 mg	Σ 4.2 mg. nothing.
9/9/63	7:45 AM.		6.5 mg	9-9:30 maybe 10% dilate - teeth rubbing was bit strange. probably nothing.
9/16/63	6:40 AM.		9.9 mg	probably nothing became a bit apprehensive then nothing - like 65 mg.
10/25/63	7:17 AM.		16.3 mg	probably nothing - unreal at ~9-10 AM. no dilation - no rubbing, no toxics - a certain amount of panic at ~10-15 min then nothing believable no effect.
~ 4/5/64	6:50 AM.		24.8 mg.	

Mouse toxicity 300 mg/kg dead 5 min
 175 mg/kg convulsive twitching - dead 6 min
 107 mg/kg twitching - dead in 5 min
 75 mg/kg tremor - active behavior - OK.
 100 mg/kg (5 mice) 4/5 dead. (20 min) 1/5 OK.

Subacute effects MEM.

XV-136.

MEM

Clauson's notes.

1. - 5 mg (IRVING) no effect
2. - 10 mg (BE) " "
3. - 15 mg (BL) threshold. Duration approx 60'. Reminiscence, anger.
4. - 20 mg + 30 mg (after one and a half hours w. no effect). Onset of effects at
 ↳ (BM) so! comparable to 75-100 g LSD).
5. - 40 mg (BE). Comparable to 75-100 g LSD, or 60 mg TMA-2
6. - { 20 mg (BN) threshold. after 2 hrs:
 { 12 mg (adding to 32 mg): compared to 100 g LSD
7. - 30 mg (AR) " " " or 60 mg TMA-2
8. - 30 mg (CLAUSON) " " " greater than 20 mg TMA-2

Conclusions: Threshold at 15-25 mg (20 mg comp for 56 but not 54)
 { For 3 Ss, 30 mg compared to 100 g
 { For 2 Ss 40 and 50 " " 75-100 g

The latter seem ~~thence 40 mg~~ ~~seem to be~~

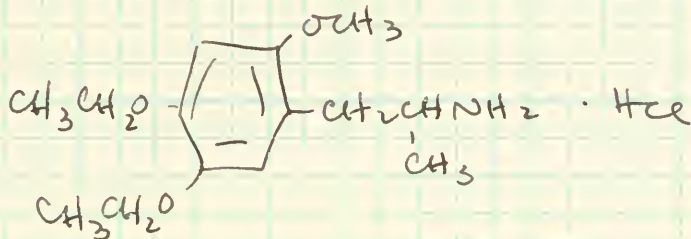
psychologically more rigid and defensive. I would estimate in
 30-40 mg the average effective dosage in psych-te.
 Comparison to TMA-2: Apparently more active.

SUBJECT

Subacute effects MEE

BOOK NO.

DATE

See XV - 150

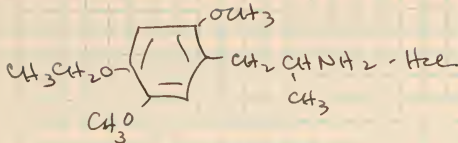
DATE.	TIME	DOSE	EFFECT.
October 1 1963	9:45 AM.	0.4 mg.	no effect.
10/8/63	7:50 AM	1.0 mg	no effect
10/14/63	10:40 AM	1.7 mg	no effect.
10/17/63	10:15 AM	2.8 mg	no effect.
10/23/63	7:07 AM	4.6 mg	no effect.

SUBJECT

Subacute effects MEM.

XV-136.

DATE



date.	time	dose	effect.
14/63	3:55 PM	0.8 mg	no effect.
25/63	11:30 AM.	2.2 mg	no effect.
30/63	9:34 AM ✓ 10:44 AM ✓	4.5 mg / 7.3 mg 2.8 mg	possible both rubbing & difficulty in eating at noon probably no effects. no dilation noticeable.
10/3/63	6:35 AM.	10.5 mg.	active, unquestionably see notes, page 80
8/11/65	GLADYS	7.5 mg	marginal, perhaps.
8/18/65	GLADYS	12.5 mg	barely threshold. p 112
6/66	GLADYS	18.4 mg	peaks at 3 hrs. - out at 5-6 hrs. no sleep at 7 1/2-8 hrs. took Nembutal. Effects color and visual intensity - wavering of visual field. distinct emotional euphoria. Extrapyramidal tremors.
11/19/67	AFS.	11.0	distinct threshold. p. 151

FOLDOUT BLANK

SUBJECT

Marginal effects MEM.

DATE 10/4/63.

Subjective evaluation

Time 6:35 AM (O time for chronology.) dose
 10.5 mg ^(10.5) orally in ~ 15 cc water - at this
 dilution, no taste. M.W. 275.5 → 239 or 9.1 mg base
 at 184 lbs currently → 83.5 Kg ∴ ~~120 µg/Kg~~ ^{105 µg/Kg}

0:45 slight pain, base of skull - probably not related.
 0:55 first intoxication - no sign of nausea at all
 was talking with IRVING and felt initial
 dizziness - ~~that~~ had to get up & move. Some
 physical poisoning in legs.

1:15 tell AO - I knew I was intoxicated (in EtOH
 sense) but was not apprehensive. At that time
 I knew 50% increase in dosage would have been
 too much. Slight dilation if any.

1:55. Mentally I seem to be OK. or at least
 rapidly mending - physical toxic signs
 persist. A bit disafforded that if I need to
 be physically poisoned, that I shouldn't be
 mentally entertained in compensation.

3:35 Consume cookie from AO. clear as a bell but
 wish I could get out of noticeable but mild
 physical distress.

5:20 consume two hot sandwiches & beer. ~~all~~
 over.

This is marginal but unquestionable real
 effect. - assume effective dose ~ 4 mg as above
 ∴ 145 µg/Kg. ∴ at mesolium MU=1 3.76 mg/Kg
 this has 26 MU activity

I have read pages _____ to _____ in _____
 notebook and understand their content
 There are no blank pages, except _____
 All entries are in the handwriting _____

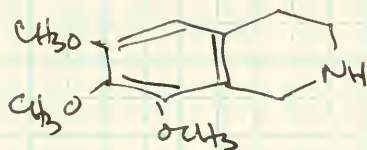
Signed: _____ Date: _____
 Signed: _____ Date: _____

SUBJECT

Subacute effects Anhalinine.

BOOK NO.

DATE



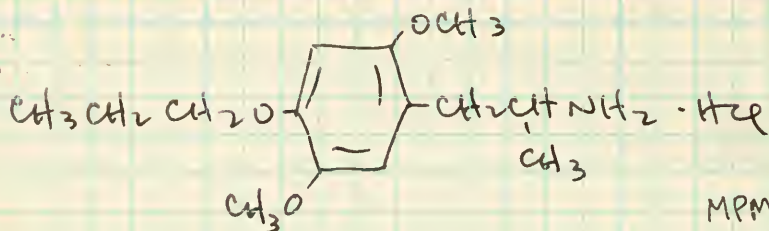
. Hce.

see XV-170.

date.	dose	time	comments.
11/12/63	0.5 mg	6:12 AM.	nothing.
11/14/63	1.7 mg	11:05 AM.	nothing.
11/27/63	2.6 mg	6:52 AM.	at 4:30 PM - vigorous diarrhea but then, hot salami sandwich and beer at noon. -∴ no effect.
12/2/63	4.3 mg.	6 AM	DANNY thought I was in a strange mood I didn't - nor did anyone else ^{no} effect

SUBJECT Subacute evaluation

DATE



See
XV - 171A

date	time	dose	comments
11/26/63	3:25 PM	0.3 mg	no effects.
11/27/63	1:15 PM.	0.9 mg	no effects.
11/29/63	6:15 AM 7:35 AM	1.6 mg } 1.1 mg }	2.7 mg. Probably nothing - some muscular and joint pains - but had been up since 3 AM & was tired - no effects.
~ 12/2/63	8:17 AM	4.2 mg.	no effects.
- 12/9/63	6:09 AM.	6.6 mg.	no effects - muscular pains and slight headache for 2-3 days following - probably a cold - lay off all compounds for a few days - 12/17/63
- 3/4/64	7:15 AM	9.4 mg	could kid myself marginal - <u>no effect</u>
- 3/20/67	9:45 AM.	11.6 mg.	no effect.
± 8/26/73	10:30 AM	14.0 mg	just barely threshold. this was 16 hrs post-absorb. at 3+ hrs - Very pleasant, enjoy the outside, marginal intox (clear behind the lab). My only profound thought; "I could have a P.T. if I wanted to look for me, but I don't". At 4.5 hrs out. Thus - maybe a bit slower w action than MEM, TMA? On page 151, 11 mg TMA: with threshold (at 20 M.V., 20 mg = active dose here - 17 = active threshold? ∴ 2/3, ∴ 14 M.V.??
- 5/13/77	9:00 AM	20 mg	[1:00] early morning? - n.e.

SUBJECT

Further effects of MDMA-2.

Report of GUARD'S

9/3/63

had previously taken 7 mg - no effect.
 15 mg - +10

also see ^{p.} 109.

Total 25 mg. Stomach cramps were primary physical complaint.

Found effects very unpleasant - had distinct mental aberrations - claimed as equivalent to 300 or 400 mg mescaline sulfate, i.e., effective dose.

as he is perhaps 70 Kg and this is ≈ 21 mg base he took 0.3 mg / Kg. - I shall keep the effective dose, still at ≈ 0.2 mg / Kg - this still is ≈ 20 M.U.'s.

Further effects of MDMA 3-a

Report by GUARD'S

first week or so
November, 1963

dosage 20 mg - no physical distress - at 1 hr. distinct euphoria - peak at 3 to 4 hrs - took sleeping pills at 6 hrs. felt to be somewhat more than marginal - not full.

in this - he confirms nicely my page 66 results at 20 mg.

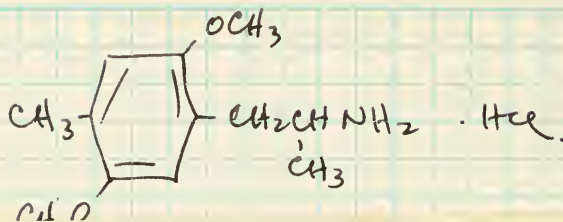
MDMA 3-a is distinctly (though slightly) less potent than MDMA 2.

also
 stated ≈ 140 TMA

SUBJECT

nor-oxy-4-TMA-2.

DATE

See XV-178

lets call it DOM

on this page I shall have is-oxy methyl
express. it to you then, it

date

to

12/1/63

3:2

1/6/64

7:11

is true that DOM has

the glory and the doom

up in it. All this is needed

to know it is to know

with a warm heart

man for a few hours.

for the human for three

hours all the dark things

are made clear.

10 AM aware of

thickly

12 eat - rather

I don't all -

18 6 miles yesterday

- page 88

1/9/64

7:0

2/3/64

GRAD

between

2/3/64

3/10/64

HV

2/8/64

GLADY

11/6/64

JAY

sta

- no effect for

1, peaked 8-9-

mescaline

400 mg mescaline

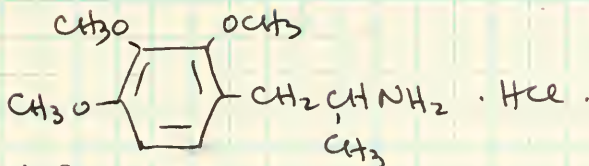
SUBJECT

Sub-acute evaluation.

BOOK NO.

DATE

MW 225 + HCl → 260.5



TMA-3

see XVI-13

date	time	dose	comments
1/4/64	12:20 P.M.	0.5 mg	no effect.
	1:30 P.M.	2.5 mg	Σ 3.0 mg - no effect.
1/12/64	2:00 PM	6.2 mg.	like no food - no effect
1/14/64	7:35 AM	10.6 mg	no effect whatsoever. (113 μg/Kg) ^{as base}
1/20/64	7:00 AM	15.1 mg	no dilatation, no effect. (161 μg/Kg)
1/22/64	7:07 AM	20.6 mg	at 8:31 possible touch light-headedness - otherwise no assignable effect. (220 μg/Kg)
1/28/64	7:00 AM	26.6 mg	trivial if any - must say, no effect ^{at 300 μg/Kg} _{at 77 μg/Kg}
1/31/64	7:10 AM	36.5 mg	no effect - light diarrhea 2 hrs - headache PM.
2/5/64	6:50 AM	51.1 mg	0
	8:40 AM	12.1 mg	1:50
	9:45 AM	14.8 mg	2:55 Σ 78 mg
no effect - no dilatation - no diarrhea no believable diversion from complete normalcy. normal appetite			
~ 8/67 KOZ.	~ 100 mg	physical effects - no psychosis	

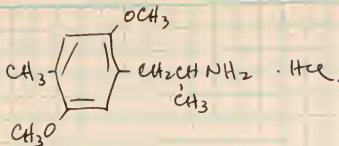
TMA-3 (≈ 100 mg ?) Physical sensations comparable to 100 μg LSD,
with no psychological effect, or threshold:
passivity, mostly. Duration about 12 hrs.

this is < 2 M.V. ^{0.0 = 1.87 mg/Kg}
end of trials - no more.

SUBJECT

nor-oxy-4-TMA-2.

DATE

See XV-178

lets call it DOM
[4] des-oxy methyl

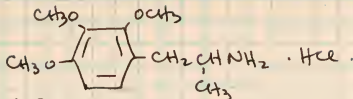
date	time	dose	comments.
12/1/63	3:22 PM.	0.2 mg.	no effect.
1/6/64	7:10 AM.	1.0 mg	almost certainly an effect !! ~10 AM aware of slight dryness in mouth - eyes noticeably dilated - some fading overall - 12 eat - rather clears up. 2 PM certain OK and I doubt all - P.M. fine - hip muscles hurt but I hiked 6 miles yesterday.
1/9/64	7:05 AM.	1.4 mg	very definitely effective see page 88
2/3/64	GLADYS	2.3 mg	effective. see page 92
Johnson 2/3/64 2/10/64	HURH	2.5 mg	trivial effect.
2/8/64	GLADYS	3.8 mg	effective - initial communication - no effect for 5 hrs: had given up - it hit and peaked 8-9 - down at 10-11 - no color but mescaline rarely shows color. Equates to 300-400 mg mescaline
11/6/64	JAY	4.1 mg.	thoroughly effective see page 102

Studies continued on p-112

SUBJECT

Sub-acute evaluation.

MW 225 + HCl → 260.5



TMA-3

see XVI-13

date	time	dose	comments.
1/4/64	12:20 P.M.	0.5 mg	no effect.
	1:30 P.M.	2.5 mg	Σ 3.0 mg - no effect.
1/12/64	2:00 PM	6.2 mg.	14 hrs no food - no effect
1/14/64	7:35 AM	10.6 mg	no effect whatsoever. (113 μg/Kg) ^{no base}
1/20/64	7:00 AM	15.1 mg	no dilation, no effect. (161 μg/Kg)
1/22/64	7:07 AM	20.6 mg	at 8:31 possible touch light headedness - otherwise no assignable effect. (220 μg/Kg)
1/28/64	7:00 AM	26.6 mg	trivial if any - must say, no effect ^{at 300 μg/Kg} _{at 77 Kg.}
1/31/64	7:10 AM	36.5 mg	no effect - light diarrhea 2 hrs - headache PM.
2/5/64	6:50 AM	51.1 mg	0
	8:40 AM	12.1 mg	1:50
	9:45 AM	14.8 mg	2:55 Σ 78 mg

no effect - no dilation - no diarrhea
no noticeable diversion from
complete normalcy. normal
affliction

~8/67 KOZ. ~100mg - physical effects - no psychosis.

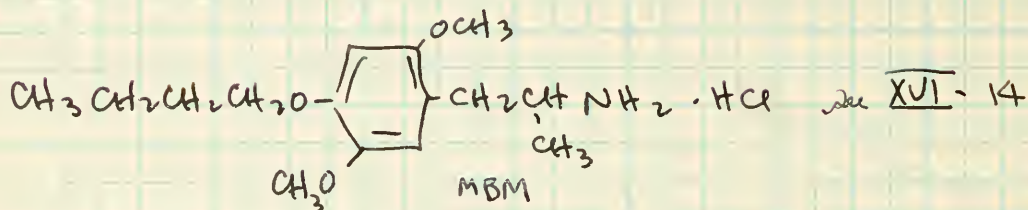
This level, of MMDA for example (see page 21-22) very distinctly active - even at 55 mg very noticeable.
this is ∴ < MMDA - as first noticeable is going to be
7100 or > 80 as free base / 76 Kg is > 1 mg/Kg as base
effect must be ≥ 2 mg/Kg - as M.V. of 2.0 = 1.87 mg/Kg
this is < 2 M.V.
end of trials - no more.

SUBJECT

Subacute evaluation.

BOOK NO.

DATE



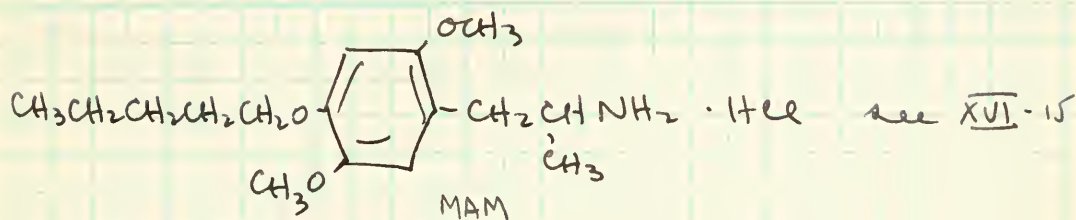
date	time	dose	results.
1/7/64	7:00 AM	~150 µg	no effect.
1/16/64	7:10 AM	1.1 mg	no effect.
2/3/64	7:15 AM	2.0 mg	no effect.
8/25/73	12:45 PM	4.0 mg	no effect.
8/28/73	10:00 AM	7.5 mg	no effects.
11/14/73	11:00 AM	12.5 mg	no effects.

SUBJECT

Subacute evaluation

BOOK NO.

DATE

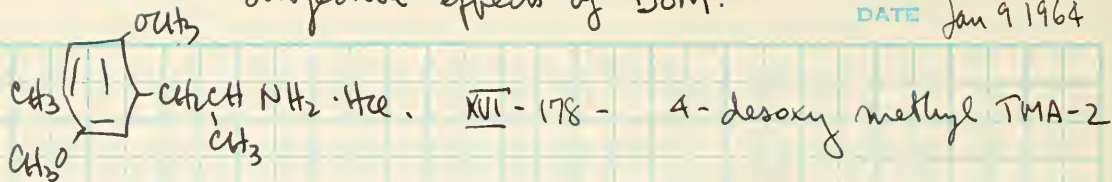


Aug 24 1973	10 AM.	1.0 mg.	N.E.
Aug 27 1973	10 AM	2.0 mg	N.E.
Sept 2 1973	11:20 AM.	4.0 mg	N.E.
Oct 7 1973	10:15 AM.	8.0 mg	N.E.
Nov 13 1973	7:35 AM.	12.8 mg	N.E.
Nov 27 1973	10:30 AM	16.0 mg ..	

at 3:40 hrs (2:00 PM) pressure in chest & head, no pulse change, no mydriasis - at 4:15 hrs (2:45 PM) all quiet. $\therefore$ N.E.

Subjective effects of DOM.

DATE Jan 9 1964



Dosage - dissolved 1.6 mg as · H₂O in H₂O - pipetted out 1/8 → 1.4 mg
 computed down to free base 1.19 mg call it 1.2
 at currently 180 lbs → 81 Kg = .0147 mg - 14.7 µg/Kg
 thus - assume initial at 11 µg/Kg - max
 differentiate at 20 µg/Kg - ~~max~~ and effective
 (useful) at 17 µg/Kg = 220 MU. ! This is too optimistic
 probably ~ 120 better value

Times corrected to 0 hrs at 7:05 - moment of ingestion.

1:15 - am talking to AM in his office - am suddenly aware of warm flushing and tingling in gen. relia - the usual hint that I am going to be sick. My mouth is very dry. I want to leave and tell AO but I cannot for several minutes.

2:05 - teeth are quite rubbery - there is the feeling of heavy pressure on the ears - as if some one were squeezing my head - mouth has the taste of having smoked far too much the night before - (haven't smoked since 1962 - no ~~ston~~ for 9 days). I would like to go outside and run away but I am afraid my heart wouldn't take it.

3:15 Morning is creeping along - I feel I am paying a physical price without any mentally distorted reward - I feel at this point - at a somewhat higher dose - this will be a psychotomimetic.

3:35 To greenhouse - distinct pleasure in looking at the lush salvia divinorum - the smell fits the appearance - signs of visual distortion - at a

SUBJECT

DATE

somewhat higher dose things would creep and crawl.

4:00 Still at it - considerable hyperventilation - eyes dilated 10-15% over normal

4:25 I think I start out here - do not have any desire to eat but I do eat - and complete my lunch (chicken, banana, apple.)

7:10 eyes ~20% dilated - I am still shaky as if my body had had a vigorous drug blow - but mentally I am O.K. - ~~and~~

one or two more awarenesses in afternoon (at ~8, ~9 hrs) P.M. fine.
next A.M. fine.

SUBJECT

MMDA - Responses.

late - 1962

BOOK NO.

DATE

MMDA Experience

One half hour after taking a dose of MMDA, I felt some nausea. This lasted for a short period (15-20 minutes) and seemed to be connected with cigarette smoking, which was discontinued for the rest of the day.

Then there came a temperature change - I had some chills and felt somewhat dizzy.

Finally my whole body became relaxed, languid. A wonderful feeling of peace and well being came about. It was just a joyous feeling.

Every one and everything around was harmonious.

The colors were overwhelming. I've never seen them so vividly.

SUBJECT

before. They seemed to take 1
on another dimension.

Time lost its meaning.

Reflexes, senses, body movements
all seemed normal.

The only difficulty I experienced
was at the beginning of the day,
trying to light a cigarette.

It took twice as long, it
couldn't seem to judge
the distance correctly, between
the match and cigarette.

It was a most beautiful
experience. CAKES

M.M.D.A.

220 mg

COWBOY

RECEIVED GOOD FEELINGS FROM
DOSE, WHICH LASTED FOUR TO SIX HOURS.
SEEMINGLY ABLE TO CONCENTRATE
ON THINGS MORE SO THAN USUAL.
FEELINGS OF PEACE, QUIET, AND
CONTENTMENT. LOVINGLY FEELINGS
FOR EVERYTHING.

Dear Sasha -

A quick report on Dom, since even if I called you would want something written.

1.0 mg, no effect, perhaps slight mood elevation.

1.5 mg slight mood elevation, a little greater than before.

3 Feb 2.3 mg. Mood elevation at 2-3 hours, after 3 hrs emotional effects became more pronounced, enhancement of color also.

Very little distortion of perspective, no disorientation, no creeping or flowing, but color enhancement considerable. The emotional content and empathy for there was closer to ~~amp~~ mescaline than to amphetamine, a welcome change.

I would judge that this dose was comparable to 100-120 mg of TMA, (i.e. ~50X) but qualitatively different, in the direction of psilocybin or mescaline. No

suggestion of nausea at any time; toward the end, 4-7 hours, some intestinal gas and flatulence, perhaps not directly attributable to the drug. Major effects declining at 8 hrs. Unable to sleep at 9-10 hrs, took $\frac{3}{4}$ grains Secanal.

Headache next morning, and listless, more probably attributable to Secanal.

I would put mean effective dose = 3.0 mg, (mescaline $\pm$ 330), or ~100X mescaline. This is a good one!

✓ ERROR - HE HAD NEVER RECEIVED THIS FROM ME. HE MEANS 2,4,5 or 2,3,4. By phone, he meant 2,3,4. 1/5/64

As for 3 methoxy, 4,5 methylene dioxy β phenethylamine, I

am up to 65 mg with nothing more than a very pleasant mood elevation.

I'm not sure I have enough material to go higher than this, or, for that matter whether it is worth it with Dom here. Worth it for the record.

I trust you will have gone another factor of 10 by the time you get this.

Have the children see Ann? Regards,

GLADYS

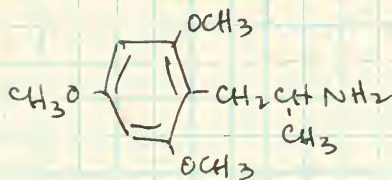
SUBJECT

Subacute evaluation

BOOK NO.

~~Subjective effects~~ TMA-6

DATE



TMA-6

XVI-21

date time dose results.

TMA-6

epin LSD

- | | | | | |
|------|------|------------------|---------|--------|
| 1. | (AS) | { 15 mg
15 mg | > 25% | 50-75% |
| 2. | (BO) | 30 mg | 50 | " |
| 3. | (BP) | 40 mg | 100 | " |
| 4. | (BA) | 40 " | 75 | " |
| 5. | (BQ) | 40 " | 50-75 | " |
| 6. | (AF) | 60 " | 100 | " |
| 7. | (BR) | 60 " | 100-150 | " |
| 8. | (AJ) | 60 " | 150 | " |
| 9. | (AV) | 60 " | 100 | " |
| 10. | (BS) | 60 " | 100 | " |
| 11. | (AT) | 60 " | 100 | " |
| 12. | (AD) | 70 " | 75-100 | " |
| 13. | (BT) | 80 " | 100 | " |
| { 14 | (BL) | 80 | 100-150 | " |
| | | 15 | 60 | 75-100 |

only - no effect.

there were he
aware of
2 with
- effect
after -

maybe this is
valid!

page.

dose see 98

(< 40 mg TMA-2)

marginal?
?? some

asant

by LSD.

! discrimination between 60 mg and 80 mg

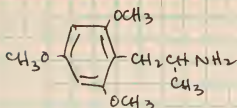
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SUBJECT

BOOK NO.

Subacute evaluation
~~Subjective effects~~ TMA-6

DATE



TMA-6

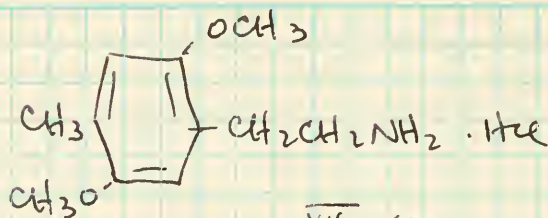
XVI-21

date	time	dose	results.
2/26/64	6:00 AM.	0.4 mg	no effects.
3/28/64	8:30 AM	1.2 mg	no effects.
5/21/64	7:05 AM	2.5 mg	could kill myself - trace starg - go slowly - no effect.
5/27/64	7:00 AM	3.8 mg	slight shakes at noon - no effect.
7/1/64	7:20 AM	5.5 mg	probable threshold level - at 8:30 there were the transient vertigo flashes - at 9:10 was aware of some intoxic. sat through seminar 10:30-12 with marginal discomfort. At Ate lunch - after worries of nausea - no nausea - bloated - early afternoon back to normal. maybe this is valid!
7/7/64	7:10 AM 9:10 AM	7.8 mg 3.6 mg	Σ 11.4 mg marginally effective dose see 98
2/8/66 (tried 2/10/66)		11 mg	CLAUS stated tried a few days earlier - marginal?
3/5/66		18 mg	nearly convincing threshold ??? some eyes closed imagery
4/7/66		30 mg + 30 mg	active: visually. found pleasant
1/31/67		via KOZ	CLAUS 5:00 PM. 26 mg active
		via KOZ	40 mg - little effects + 2 psychiatrists
			60 mg - mild
			40 mg - in chit: I am going crazy $\approx$ 100 mg LSD.

SUBJECT

Subacute evaluation.

DATE



the 2-carbon
analog of DOM.

XVI - 43

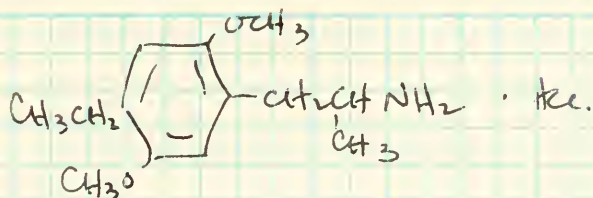
date	time	amt.	effect.
3/2/64	7:00 AM	0.3 mg	no effect.
5/6/65	6:00 AM	0.75 mg	no effect.
5/31/65	12:15 PM	1.4 mg	1:20 - funny taste in mouth - no eye dil. no effect.
7/22/65	6:20 AM	2.7 mg	no effect.
8/24/65	7:00 AM.	4.5 mg	9:00 teeth rubbery - that's all - no effect.

See more complete notes on page 175

SUBJECT

Subacute evaluation.

DATE



date time amt effect.

late Feb. 1964 - ~.2mg no effect.

3/16/64 7:20 AM 0.5mg ~Σ 0.7mg - possibly a mes. but starchy
9:00 AM 0.2mg and strange at 9:00 - no more - no effect.

~7/24/64 7:00 AM 1.0mg (weighed out - into water 1mg/g - vol.)
at 9:00 AM decline more - there is a
believable disturbance 9-12 noon - I
think that this is a marginal level -
if so - is more effective than DOM - maybe

8/27/65 7:00 AM 1.5mg (ATS) This is an unmistakably effective dose: see
p. 110

~9/28/65 1.7mg (GLADYS) yes yes - see p. 111.

0.7mg (GLADYS) (day not ERIN)

1.0mg ATS (Monday - after Sat in Reno).

~4/8/67. 9:45 AM 0.9mg ALPRED at ~12 AM apply - build up of indoor-
panic - outside - better at 3 PM - under control
5:30 - PM - funny - Am - to work - but head -
ache - etc. next day PM OK - bed early.

~1971 2.0mg BU IV - intense and immediate response -
with an overwhelming effect equated to
at least 250 µg LSD. None of the
Snyder "non hallucinogenic" synergizer -
this was dramatically hallucinogenic and
disruptive.

See page 213

SUBJECT

Trials of S. divinorum

BOOK NO.

DATE

see page 63

base on
960g → 30g.Injection of "salvose" - the glassy extract from
the first annual workup.
date amt leaf. equiv. effects.

6/9/64 7:35 0.22 g

8:45 0.25 g

Σ.

15 g

none

6/12/64 6:55 0.6 g

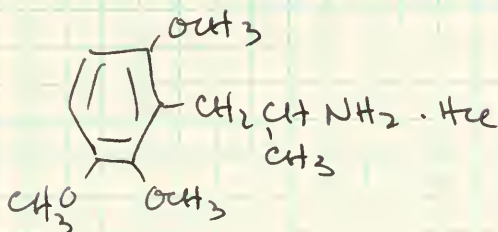
20 g

none

SUBJECT

Subacute evaluation

DATE



TMA-5.

<u>date</u>	<u>amt.</u>	<u>effects & comments.</u>
7/2/64	7:20 AM 0.2 mg 10:55 0.3 mg 11:50 0.3 mg	no effect or what must be considered effectively ~ 0.6 - 0.7 - nothing.
8/5/64	7:25 AM 1.0 mg	no effect.
8/14/64	7:30 AM 2.2 mg 9:00 AM 2.0 mg	± 4.2 mg no effect.
9/3/64	7:10 AM 7.0 mg	very better - no effect.
9/17/64	8:10 AM 10.1 mg 9:25 AM 3.7 mg	± 13.8 mg I could kid myself & activity - not probably real - no eye, etc. no effect.
9/30/64	8:40 AM 18.2 mg	10:30 appearance of slight stimulation - 11:30 hint of eye dilatation pulse 84. If this is the marginal edge of intox. then this is not a psychoforminetic but is a stimulant - go carefully.
~8/67	C.N. ~ 100 mg	30 mg ≠ ~ 70 µg LSD
TMA-5	30 mg	Longer and intense introspection. Duration 8-10 hrs. Comparable to ± 75 µg LSD, or more.

$$\frac{30}{100} \times 2 = 0.7$$

$$\frac{100}{100} \times 7 = 10.74$$

SUBJECT

Subjective Response to TMA-6.

BOOK NO.

DATE

July 7, 1964

see page 92

Chronology. - corrected back to 7:10 AM = 0 hr.

0 hr. 7.8 mg. in H₂O orally - virtually no taste. no eye dilation & no indication of any effects

1.5 hr. eat doughnut - 1st food 12 hrs..

2.0 hr. 3.6 mg. no further effect.

4.0 hrs. had concluded that there was to be no effect - decided not to supplement dose however, as there was the slightest indication of pupillary dilation. I tell AO of failure.

4.3 hrs. 1st distinct awareness of physical and mental effects. Very disturbed as this ~~is~~ indeed may be the crest of activity showing up and will subside - ~~or~~ or this may be start of a much slower onsetting action. warmth in base of belly

4.8 hrs. Eat lunch - no difficulty, unlike low levels of mescaline. when eating (mouthing) of food is virtually impossible. I was logorrheic in my discussions during lunch - seemed to be able to think clearly but still held to much anxiety. I remember the interesting urge to be ill, but not from the top of my stomach but from the bottom. Consequently vomiting would be

SUBJECT

DATE

unless in relief, and had to urinate to release. There was no movement of things, no color effects, no paraesthesias.

6 hrs. Accepted opportunity to go to Western Regional Lab $\bar{c}$ AQ. However the question of crest vs. onset of long action (DE) was not resolved so withdrew and stayed $\bar{c}$ AO. Since his LSD he is an excellent understanding observer. I don't know if I could count on AQ. At least at this moment I didn't want to.

6.3 hrs. First completely clear moment - 10 minutes or so. It was comforting to know it would clear.

~ 8 hrs. all O.K. - felt quite tired - home - 2 drinks - good dinner - hot shower and slept excellently.

48 hrs. just work - absolutely nothing.

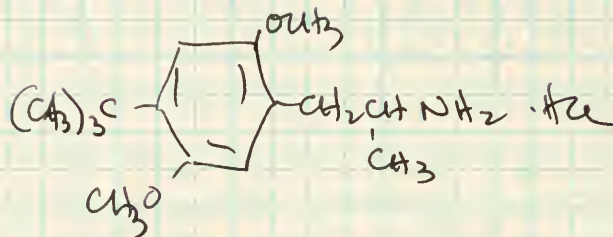
This material appears to be of about the same potency, although considerably slower acting, as (than) TMA-2, of which I was occasionally reminded. Activity thus in the 15-20 M.U. level.

SUBJECT

Subacute Evaluation.

BOOK NO.

DATE



DOTB

XVI-III A

Date	time	dose	comment.
8/7/64	7:20 AM	10 y -	
	9:20 AM	15 y -	Σ 25 y - no effect. (this by 1.7 mg + 17 y H ₂ O. 100 mg soln = 10 y)
8/11/64	7:20 AM	50 y -	
	8:40 AM	50 y -	Σ 100 y - no effect.
8/15/64	8:30 AM	150 y -	
	9:40 AM	100 y -	Σ 250 y - no effect.
9/10/64	7:40 AM	400 y -	no effect.
11/7/72	10:20 AM.	700 y -	no effects. (3 PM - facial flushing!) - N.E.
11/10/72	9:45 PM.	1.1 mg	no effects.
11/14/72	11:00 AM.	1.5 mg	no effects - nothing! — (Sunday).
11/10/73	7:20 AM.	2.5 mg	about a week (or two or three) ago I know I took about 2.4 mg of DOTB - as I recall I thought it sweet, and was a bit intoxicated (social) in PM? This is <u>not</u> particularly sweet (a bit bitter) - and again was I maybe a bit manic intoxicated in afternoon? Probably no effect.
1/30/73	7:20 AM	3.5 mg	no effects (couldn't sleep that night until 3 AM but then - 3 cups of coffee at dawn and before the ACT-1 play (you can't take it with you) notebook and understand their contents. There are no blank pages, except ----- All entries are in the handwriting
8/6/73	12 noon	5.0 mg	no effects.
2/25/74	1:35 PM	8.0 mg	no effects. (bitter, if anything). (15/12)
3/5/76	11:15 AM	11.0 mg	no effects
8/21/76	12:00 noon	16.0 mg	n.e.
11/24/77	7:50 AM.	25.0 mg	n.e.

you - formal note, 2.4 mg 6:50 AM
December 20, 1972 - tasted sweet.

Signed: _____ Date: _____

Signed: _____ Date: _____

SUBJECT

Animal Pharmacology on DOM.

BOOK NO.

DATE

Jan 22, 1964. white mice (FLORENCE) (B.A.)

40 mg/Kg (IP) - 15 minutes - shakes - in 0.5 hr. all animals have developed a strange shimmer, their eyes half closed. For the next hour they keep moving but in a scrunched up manner. ~~Complete~~ ^{Apparent} recovery after another 2 hrs. AM OK - no dead. 0/5

60 mg/Kg (IP) - 10-15 minutes there was head vibration - by 30 minutes there was a wild continuous leaping and compulsive somersaulting. For the next hour - clawing, vocalization. A.M. 1/3 dead - others slowly ~~recover~~ recover.

80 mg/Kg (IP) - .5 min compulsive chewing; 9 minutes 1/4 dead second ~~at~~ at 15 minutes. Others $\bar{c}$ severe clawing (all 4 feet) at 1.25 hrs 3/4 a.m. 4/4 dead.

160 mg/Kg (IP) 5 min 2/5 14 min 5/5 dead.

Jan 31, 1964 - 2/18/64 New Zealand Rabbits (Eble)

1 mg/Kg (IV) 2 rabbits - both showed tremor, difficult respiration, some cyanosis. 24 hrs. all normal.

2 1/2 mg/Kg IV. 2/2 dead

5 mg/Kg IV. 2/2

10 mg/Kg IV. 1/2

DOM

64,11,06

Subj JACK.

Administered 4.1 mg $\odot$

Time AM

10:50

0

↑
11/6/64

First Effects -

11:20

- :30

Shuddering

Psychic Effects -

"Extended Time"

Lunch
at OK.

12:20

- 1:30

might have noticed earlier
if not conditioned

Full Blown -

1:20

- 2:30

Detachment

Somewhat like Mescaline

Color?

Unfortunate shudder

Tight Jaws, relaxing -

1:30

- 2:40

Not Cold or anything

Little ataxia, can overcome

3^d effects, B&W reversal stronger

on closing eyes, can control

Effective Centrally,

Not looking forward to doing it

tomorrow or regularly

Not motivated to sharing experience

Pulse ~ 80

Dilatation normal

More Arousing (like amphetamines)

than Depressed (like phencyclidine)

Like Cocaine rather than Heroin

Feels a little sick

Time seems like next day

2:00

3:10

Tight jaw

3:30 1 hr slight agitation - feels better - not sick
 4:30 5:10 Experience becomes pleasant (GREAT)

Never been like this
 Visual experience - fragile hallucination
 Pulsating colors, postals
 Meaning of color different - can't describe
 Dreamy, same date

5 P.M. 6:00

Beautiful Experience
 You MUST try it.
 Like nothing else ever experienced
 Not as loaded as 2 hrs ago
 Not really high
 Detachment from but fascination with
 a perceptual change — The Clouds!
 Dynamic experience —
 Feel good, too —

1
True

1
Relative

6 P.M. 7:10

now Eyes dilated.

4

He said (12/10/64)
 that of mescaline, peyote,
 LSD, cannabis - all -
 this ranks number 1

m

no sleep (1-1 1/2 hrs at most)

novel + pleasant.

normally no color & mez

Saturday AM - all OK.

SUBJECT Additional data MMA.

BOOK NO.

Lot #2

DATE

date	amt	notes time	notes
5/16/65	4.8 mg	1:50 PM.	nothing.
	20.2 mg	3:00 PM	Σ 25 mg. (ATS) nothing.

This lot to AC (BV) for work of August 1965. also to Hilltop for their pharmacology.

SUBJECT Subjective to MDMA.

DATE

Subject KOZ
Obs. BV, ♀ friend.
amt. 100 mg / the
date. ~ 6/5/65.

Could have believed that the mild euphoria was him that day, but he knows it's MDMA → Took great pleasure in being open and talking about his own life.

- Pleasure of sharing his life with the others present.
- how can one describe this state of inspired and enjoyable ability to communicate, of communication.
- there were no autonomic problems at all.
- enjoyment of being one's own center, of being authentic.
- At one time (~5 hrs?) = eyes closed, one color-view.

Subject ♀ friend BV (Bija)
Obs. KOZ, BV = 300 mg Harmaline
amt. 100 mg
date ~ 6/5/65.

→ suggest to KOZ that ♀ = 10 µg LSD might be more sympathetic to BV = harmaline. Use MDMA instead.

- for 4-5 hrs. sat cross-legged without moving, a beautiful smile on face
- seemed ecstatic - could not be bothered to close eyes.
- at 4.5 hrs lay down, closed eyes and somewhat structured visions came. No fight to avoid or escape these visions.

BV's recount of ♀ friend's effects
see page 116

SUBJECT

Subjective DOM.

BOOK NO.

DATE

Subject JACK
date ~ 6/1/65
4.9 mg.
in L.A.

→ distinctive visual effects - but could check them out with a clear mind.

→ feels the psychic aspects overrated more an effect on eye systems, or on retina. As if the color sections were affected separately.

→ Chronology - again in two peaks - one is at normal time, and might be missed as it is quite inconspicuous. The other occurs after several hours.

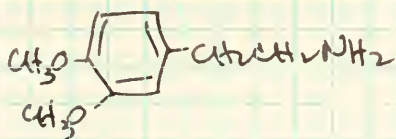
→ By his own admission, this was an extremely emotional period (had just lost his young son) and he perhaps was ~~quite~~ incapable of psychic response.

SUBJECT

Subjective evaluation

BOOK NO.

DATE



date amt time notes.

7/2/65 1.9 mg 5:00 AM
 + 2.7 mg 5:40
 + 4.0 mg 6:50 Σ 8.6 mg no effects whatsoever

6/7/65 12.9 mg 6:40 am no effect. sent 5g Naranjo.

7/13/65 20.8 mg 10:50 am no effect.

~7/65 KBZ 10 mg
 + 2 days 50 mg
 + 2 days 100 mg
 + 2 days 200 mg
 + 7 days 500 mg - all with no effects whatsoever.
 he at 66 Kg $\rightarrow$ 7.5 mg/Kg.

~7/65 XX 500 mg no effects

~7/65 YY 500 mg no effects.
~~~~~~~IV~~~~~~~

4/26/67 12:00 PM 1.0 mg IV no effect.

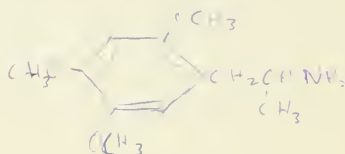
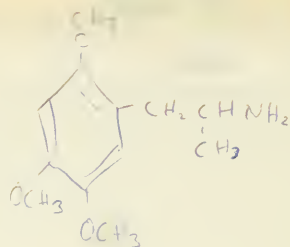
4/27/67 ATS 2.0 mg IV no effect.

5/2/67 QLAB 1 PM 5 mg IV no effect (here & now at 3 PM?)

5/2/67 ATS 4:30 PM 10 mg IV - (anest 1 min -) no effect).

## T.S. 2 TMA-2

2, 4, 5 trimethoxy amphetamine

1/2 tsp  
at 6:00 kg

(600 mg/kg)

24 July 65

10.0 mg oral 6:45 pm 15 min before dinner

6:5

7:15 pm - (15 min after dinner started) sense of beginning of effects

1:15

7:30 pm - (At present reading) Effects clearly beginning now

3:15

10:00 pm - Peak of effects. Approx equivalent to 25 mg mescaline or 50 mg LSD. Penetrance of mescaline not present but ~~not~~ <sup>not</sup> agitated lack of empathy of TMA either. Perhaps <sup>most</sup> like ~~psilocybin~~ <sup>psilocybin</sup>. Strong emotional effects as with LSD, empathy. Strong color effects, little if any perceptual distortion; ~~although~~ peripheral vision was odd, areas tending to black out slightly as if a black cloud of steam had momentarily appeared in the peripheral vision. No anxiety, but I could see how a dose 2 1/2 times as large (as Sasha took) would ~~produce~~ <sup>produce</sup> anxiety, as I could project the effects of TMA to the "hostile" reactions that others get at large doses.

+ weaker ←  
weakness (16).

12:30 PM, bed - back

1:00 AM - asleep

no more problems - ...

11 Sept 63

C.  
Sasha -

GLADYS - MMDA-2

Two enclosures - 1) the reprint you wanted  
2) my naive (chemically) mind relates usnic acid in some vague way to Gini's compounds; possible chemical precursor?

(First 7.5 mg, no effect)  
Cmpd #2 test; 25 mg. approx equivalent to 250 mg TMA, little opportunity to examine eyes-closed visual effects. Had the same jangly not-too-pleasant TMA effect; I had no rage reaction to this or to TMA. Definitely not like mescaline. Duration; onset ~ 1 1/2 hrs (dose after lunch), acute 3 to 4 hours, several at 11 hours to stop residual effects so I could sleep. Occasionally from 5 to 10 hrs acute abdominal distress, resembling gas pains but unable to defecate. Abdominal muscles tight and hard. This occurred for about 15 minutes every hour or so. Rather unpleasant. If 3a does not have this effect, I would much prefer it without that methyl group, i.e., the mescaline analog instead.

We should get together again soon; HOWIE will be in a sivet for awhile until her teaching gets settled into some kind of groove.

Tried HUGH'S Stropharia; 50 fruit produced effect approximately like 300-400 mg mescaline, I thought not as pleasant.

See you

GLADYS

SUBJECT

Response to DOE

DATE 8/28/65.

Experimental date 8/27/65.

Consumed 1.5 mg of DOE-Hce at 7:00 AM. This was fairly accurately measured by weighing out more and diluting in water (1 cc/mg) and taking 1.5 cc (g) of the solution.

### Chronology of events

| Time        | Normalized. | Event.                                                                   |
|-------------|-------------|--------------------------------------------------------------------------|
| 7:00 AM     | - 0 -       | ingest.                                                                  |
| 9:00 - 9:30 | 2 - 2 1/2   | Aware of tingles                                                         |
| 10:00       | 3           | some visual effects, subtle, as the sparkle.                             |
| 11:00       | 4           | Start the ebullition, the mood and gaiety. Really high. some colors.     |
| 12:00       | 5           | bridge (!)                                                               |
| 2:00 PM.    | 7           | Some of the visual subsides - mood still & trying to place events (wow!) |
| 4:00        | 9.          | no visual, but still uninhibited mood (as in ethanol) - bubbling still   |
| 6:00        | 11          | } energy galore - talk, talk, talk -                                     |
| 10:00       | 15          |                                                                          |
| 11:00       | 16          |                                                                          |
| 6:00 AM     | 23          | to bed in anaesthesia of wine.                                           |
|             |             | out of it after sleep - no exhaustion.                                   |

This is without doubt the most effective, potent energizer that I have ever experienced. It certainly should be exploited.

ON



SUBJECT

Details on DOE  
continued:

DATE

The effect of DOE on the mood is certainly the most startling. Although I was aware of almost hyperthyroidism in the period 4-10 hrs., the effects were clearly visible by Nina on into the evening (to 16 hrs.). She described my behavior as a wound up record that went on and on, and at the end someone picked up the arm, and placed it at the start again.

There was a drunk-like loss of inhibition to all behavior and speech. At bridge (5 hrs) I bid 3 H over an opening 1 H (from my right), to see AO's resources. He alone was aware of the experiment. (I held the inadequate 7 heart suit to the AQ109, an outside singleton, an Ax of ♠ and 3 losing diamonds). There was the joy of experimenting with others.

Not too much sensory change, except for the apparent sparkle on everything. It was like looking across the ripply lake towards the sun. Every bit of light reflex in hand some degree of enhancement. Color changes were not noted, although the texture of the face (AO) was distorted.

- Pretty clear most of the time - this was the date of XENON's leaving for New Jersey, and it was during the day, that word got around the lab. As I had been told in confidence, and I was not sure who officially knew or not, and I was somewhat unwell & DOE, I felt quite confused. However, this day also I had the academic problems of dextroamphetamine, making Dce etc, and these were kept clear.

At perhaps 3 PM there was muscular problems in the legs at 4pm my familiar kidney pains. After dinner (6 PM) all was fine and no more problems.

GLADYS ~ 9/28/65 1.7 mg. Hcl - intense lethargy - got absolutely nothing done all day - next day suffered the most profound depression he has ever suffered. Possibly DOE at fault.

MOOD

MOODS

MOODS

MOODS

SUBJECT

GLADYS m MEM.

BOOK NO.

DATE

MEM

7.5 mg no effect, or very slight at most.

12.5 mg 12<sup>30</sup> pm 18 Aug 65 Lunch eaten approx. 10 min later.

4-6 pm, peak of effect. Just above threshold.

Effects wave-like, come and went. Color and sound enhancement; empathy not marked, but not markedly absent either. At one point got flickering of peripheral vision, but only briefly. To some extent prey to anxiety and paranoid "premonitions". Completely down by 10<sup>30</sup> pm.

~~This threshold<sub>1</sub> is less than the threshold of TMA-2 at this~~  
not up to TMA-2 thresholdwise.

$$\begin{array}{c} 12 \\ \text{MEM} \end{array} \approx \begin{array}{c} 9 \text{ TMA-2} \\ 10 \end{array}$$

or better.

TMA-2 (at 10) > MEM at 12.5

SUBJECT MMDA ex Chile via KOZ

BOOK NO.

DATE

KOZ Subject  
200 mg.  
~ July 1965

Anxiety; insight (upon which he elaborated to great detail; could turn on and off at will -

Had tea w his mother, and she had no indication of intoxication.

Generally unpleasant - found himself concerned more with personal life, less with mythology which (the latter) is what he prefers and experiences under other drugs.

A defensive  
Scientific Med student  
background; yajé  
also yajé (harmaline)  
→ mescaline

background

250 mg MMDA. ~ July 1965

called in panic - by time  
KOZ arrived, was happy - was doing  
pseudocalothecia. very pleased  
with himself

→ rebelled against suggestion  
of closing eyes - stated "was a  
very bad question". when eyes  
were closed, unpleasant feeling  
- 2<sup>nd</sup> hour. rebellion only when  
attempt made to delve into the  
person.

4<sup>th</sup> hour - KOZ returns again - subject  
was pleased with some of his visual illusions. Specks on wall became  
insects.

♀ subject visually oriented -  
Extremely unpleasant history  
w harmaline - led to  
amnesia, convulsions. w mescaline  
"KOZ is monster, also chair is a  
monster."

Originally frigid hostile, but a  
poet. w harm & m's work → gentle -  
~~but~~ but no poetry.

300 mg MMDA ~ July 1965

enjoy music - immense self-insight -  
recognizes love for KOZ. - rights poetry  
again. Here KOZ feels high therapeutic  
value - eyes closed imagery OK. but  
is mainly intensification of feeling.  
here is felt to be > mescaline or  
LSD.

again - autocontrollable.



SUBJECT

more MDMA.

DATE

BV

150 mg

11:45 AM

~ Aug 1965

Details onto page 118

general comment - gentle - like pot  
not hard like  $CO_2$ , LSD  
at work (15 min)

8000 nausea - methadone effects

(30 min) LSD effects in the camp fire.

felt withdrawn - had cramps in stomach (as with LSD) - the  
visual field was lightened with eyes closed.

(1-1.5 hrs) - time slows. - geometric patterns. excess light  
kills the eyes-closed patterns

- there is chest numbness, warmth - some vertigo  
with eyes open.

- No taste in mouth (LSD yes, mescaline no)

- passive introversion

- people appear on beach - no paranoia (LSD yes)

- after images bright - long lined - 3D corridors, faces  
upside down - dry mouth only slight (LSD dry dry)

- some color effects, telepathic maybe - feels could  
be useful as an introductory drug.

- Benign - can turn on and off.

2 types of hallucinations.

→ retinal (looking as into a basket)  
→ occipital (whole field)

♀ same  
time

150 mg easy in, easy out; (gargulous, withdrawn)

♂ JAY

150 mg Time disorientation (6 hours duration)  
afraid to drive car. this report in  
original words

he mentions Exodus Chap 30 p. 23.

page 117

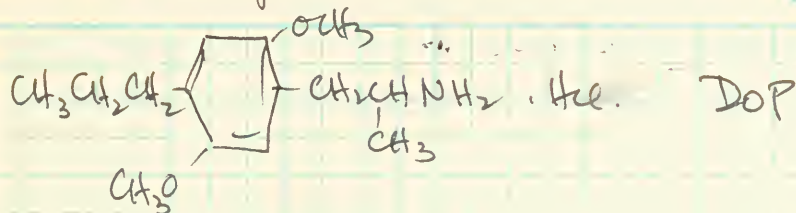


SUBJECT

Subjective Effects.

BOOK NO.

DATE



| date     | amt.             | effect.                                                                                                                                                                                                                                                                           |
|----------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10/10/65 | 0.25 mg          | none at all                                                                                                                                                                                                                                                                       |
| 10/14/65 | 9:00 AM 0.45 mg  | no effect.                                                                                                                                                                                                                                                                        |
| 1/6/66   | 10:40 AM 0.70 mg | no effect.                                                                                                                                                                                                                                                                        |
| 3/13/66  | 9:50 AM 1.05 mg  | this is a marginally effective dosage<br>see comments page 124.                                                                                                                                                                                                                   |
| 7/14/66  | GLADYS 0.9 mg    | no effect.                                                                                                                                                                                                                                                                        |
| 7/31/66  | GLADYS 0.8 mg    | marginally - long life - see p 132                                                                                                                                                                                                                                                |
| 7/26/67  | ATS 1.2 mg       | distinct threshold. 7:00 AM - 10 AM shakes - 10:45 -<br>no temp effect - coming in slowly - 11:15 - ELASED upside down - hilarious -<br>1200 diluted still - outside - real turn on - drive SF - annoy LINDA -<br>come down at MARILYN'S 3 PM - still pretty manic in PM E time - |
| 8/17/67  | GLADYS 1.33 g    | Real.                                                                                                                                                                                                                                                                             |

SUBJECT

MMDA -

5/30/65

BOOK NO.

DATE

MMDA

may 31 eclipse day-1965

drugs were taken at 11:30 for KOZ 100 mg BISA 15 LSD and later 40 ritalin

may 30 BISA took MMDA 100 mg while I had harmaline this report concerns BISA's  
mmda ~~dmmda~~

It seemed to take 45 minutes to work and then came on very suddenly and 'hit' me almost like a blow on the head; as if my eyeballs were being pulled out and my whole head expending; Soon a COLD feeling set in and shivering; this was not unpleasant but was in marked contrast to the Ritalin which gave a warm feeling of activity and verbalization entirely different than this

The cold was as if I was in carbonated water (this occurred as I was having the vision of a carbonated pool of water or nearly at the same time in retrospect) there was no anxiety; then the light seemed to dim in the room - this a retinal phenomenon or having to do with the eclipse? in the Pacific at about 3 pm;

My state in about 2 hrs seemed to be one of empathy and passivity, compassion of an impersonal sort; the music sounded artificial and canned and tinny in contrast to the voices which sounded rich full and finely precisely articulated and melodious

Also I had the impression there was a lot of stuff in my head I was not talking about;

Later when left alone the hallucinations occurred; as clear as any I have had on other hallucinogens; (c)

these were not kaleidoscopic or assembly line or oriental patterns, but life like with vast open spaces (typical of her paintings and essence person patterns) with people moving slowly and realistically much realism; I could conjure up monsters when asked but these had an artificial quality - they were eating something;

other visions of much food preparation and skinning and preparing of animal skind. drying scraping etc; many wild flowers and WIND-streams which were already part of the ocean; I regretted its wearing off; it did so very slowly; I was in a paradise concerned with externals and conforming to the structure we had set up and perfectly satisfied to be all available and all out there with you; the internal things and hallucin later were interesting but the realism and realism? not nearness I think -- of reality was very gratifying; a similar outeriness with ritalin but it was more warm and dramatic not so ethereal;

no profound philosophical thoughts but direct sensations which started with physical then emotional; no thoughts or judgements of people or things; no facial distortions (she gets visual and auditory hallucin - sounds of water running, creating 'music' of squeaks etc)

## POSSIBLE USES

good for one with a lot of anxiety which shuts him off from experience; those who are full of "I like, or "I don't like" they are so preoccupied that they don't see the things out there that are really going on, but project and shut off etc. I had a detached feeling while the ritalin seemed more personal and closely empathetic; sort of chummy and talky and pink tissue, dmmda was more like clear mountain air

with LSD my thoughts go circularly, I get caught up in flippant philosophical ideation brain storms almost a mental masturbation

I was so preoccupied by KOZ's answers to my questions that (with ritalin) the images they caused in my mind caused me to be almost physically removed; feel this way KOZ seemed to 'work' to overcome the passivity this dmmda induced

6/2/65

MMDA - 6/2/65

about 1/2 dosage

I found this drug not at all like any other ;in the first place there were no appreciable distortions hallucinations or eyes closed imagery;second the mind was quiet;no words explanations comments theoris and rational thought subsided; third I was fully aware in present time especially during the first few hours fourth;despite the seeming short action of the substance there is a time disorientation which lasts over six hours which undermines ones judgement in driving a car;so at least 12 hours should elapse before driving is undertaken;

in use of O2-CO2 to potentiate the action of the drug there was a most remarkable effect As though a floor of some sort was dropped from beneath me and yet I was still supported and with this floor dropped a general feeling of anxiety of a free floating type which has been plaguing me for several months;later on a half hour or so later;when I was exploring the area newly empty of anxiety I felt it again for a few moments and then it dropped away for good;I was completely without tension or pressure of any sort;I expect that the effects are similar to that of a tranquilizer or an opiate(although I have experienced neither) except that there has been a long term change as a result;

MMDA JAY co2 and o2 used to set it off

I felt as if a floor of some sort dropped from beneath me and yet I was still supported ;with this floor dropped a sense of free floating anxiety which had been plaguing me for several months

30 min later

when I was exploring the area newly empty of anxiety I felt it again for a few minutes and then it dropped away for good and I was completely without tension or pressure of any sort; like being tranquillized or morphine

but i've never taken either ;there has been a long term change as a result

6/2/65

this drug was like none I have ever taken; no hallucin noted and no distortions of what I looked at (I agree with the lack of distortion of outer objects or faces) second;the mind was quiet no words explanations comments theories or rational thoughts fully aware in the present time especially in the first 3 hours there is a time distortion ;6 hours later WHICH UNDERMINES ONES JUDGEMENT IN DRIVING

i misjudged the traffic lights duration etc



## MMMA reports

#1 49 yr old male; set relaxed to very slight anxiety over personal emotional matters. SETTING: De Martin beach off Falce-klamath rock 8/29/65 11:45 AM  
11:45 150 mg

12:00 slight nausea and methedrine/ritalin like effects

The 3 of us are at the falce river mouth drying seaweed on split redwood  
The fire burning preparatory to cooking the rock crab just caught takes on a fantastic appearance

12:10 I withdraw, the talk of the others is too much; she puts on sunburn oil  
WOW

12:15 the tiny fairy feet of the flies slight cramp like slight nausea and my visual field starts lighting up

12:20 some vertigo and heaviness and time streches out; numbness in the chest as when an opiate is taken;

Still study geometric patterns; excess lite on closed lids interferes with (retinal) visualization, vertigo only with eyes open

dance of the glittering diamond studded sea waves; increasing motion and beauty  
No taste, just passive introversion with large time lag

12:30 people appear on the beach and talk to my companions; I have no paranoia this surprises me;

12:35 trembling after images are very brite and last long; I see a long corridor and faces upside down 3D corridors that bend and recieve me  
basket likew with visions at the bottom;

the man will drive and the woman provide; two beauties and crab  
thirsty and mouth slightly dry; much less than with ritalin or LSD etc  
green to rose after image

NEED A SEMI SLEEP STATE FOR NEUROTICS /PLUS THIS DRUG /so they can let go to its effects better

Increasing landscapes appear inside; inwardly I told her of her beauty and the outward she also responded by looking up at me.

(this is a good introductory drug to the drugs of this class)

to become familiar with the drug state in as gentle as possible a fashion

Later; i see my mother in animated conversation with another woman  
this was at 1:30

12:50 to give self roes and to cut off the trash and 'worry' so as to enter the semi dream state where you are protected; not as noisy (many) dreams  
?as in live? or more?

music or sea

as a structured backdrop against which to go in

bold kneeded wrestler geni probably on waves Like LSD neck barred woman  
sits up man upside down face; fabuluos kiss bitter crab and people  
million fingered dance of the sea; green apple crunch

I hallucnate lists hungarian rapsody  
and then waltzes

then see at 1:30 my mother as above.

Remarks: this substance seems to have a much genteler action than others of this class; perhaps more like Cannabis or psylocybine; there is little paranoia reported by anyone

I noted the hallucinations of two types: one, those which were strictly retia retinal and more minute and small and influenced by lite and evoked by 'foca using' on the 'lite' ahead on the retina or lids, and the other those deeper in the visual tract and occiput which are larger and more global dream like and when solid are quite dramatic and unforgettable as in meditation. There is less adrenergic or alerting effect per hallucinatory unit of this drug as well;



REPORT ON MDMA TAKEN September 5, 1965

OCEANA

Since in my walrus type floundering about since then, I've managed to lose all notes made at the time, I'll try to do it by recall and then will undoubtedly find them.

Drug produced light nausea and slight dizziness within about 45 minutes and shortly after began to feel "psychedelic" effect. For awhile felt like mild dose LSD with slight disorientation and visual imagery at closing eyes. Imagery wasn't the vivid, shapp-colors type however, but like a kalaidoscope filled with pastel colored smoke. Reminded me of a gadget seen in New York museum of modern art in which constantly changing swirling colors were projected on a screen. Every now and then across this field floated an unidentifiable black shape/blob. Overall general effect sort of like Rorschach ink blots.

Within an hour I felt my mind snap into advanced gear and attention focus like a laser beam. Felt I KNEW what I was about and was thinking with unusual confidence and clarity. Total focus on NEIL altho my response to him was less involved emotionally than it usually is in sessions. Was unable to cry for him or for self yet felt no hostility towards him or fear--just intellectual sort of endeavor and desire to do something effectual and positive. Was unable to account for some of his behavior and was very curious as to what diagnostic labels it would earn. Had an excess of energy and large overestimation of own strength--felt fully confident that I could hold down my half of NEIL with no trouble until I recalled that this wouldn't be my normal realistic appraisal and then began to force a bit more caution. Could feel my own emotional state being blocked as almost with a physical barrier - knew there was great upset underneath and that it would leak out as drug wore off but was unable to feel it totally.

Time sense was slowed--kept looking at my watch and thinking more time must have passed than actually had, but wasn't disturbed by this. When NEIL began walking around expounding his revelations I became restless - began wondering, wanting information and activity. I realized that as long as there was active action I could focus entirely on outside and was find, but when things slowed down feelings of self coming back were distressing and I was stuck back with me and pain over JAY. Tried to turn it to interest in and learning about NEIL and about the total situation but kept wavering in attention between him and myself. By about 2 pm was ready to start on NEIL again, trying to get him to come down and sort of cut off. He was unable and I took it as sort of a challenge. QUE seemed unwilling to direct him strongly and I finally played on his need to "help" me by giving me an hour with QUE. It worked. Put on the saddest music I could in order to dredge up hurt over JAY and whatever it represents but altho tears were there, it was all dampened and toned down. Knew I was very upset but that knowledge was more upsetting than the upset I knew was there.

Went out to the pool when SURFER and PEGGY came. NEIL was all shaken, pains in chest, unable to breath, felt nausea and choking sensations. Was marching up and down, back and forth like ward patient in a yard. Was disturbed by this and went to tune the guitar on the piano with GLADYS. Felt BZ being annoyed by me in house and by my playing with GLADYS and knew I'd have felt hurt if it weren't for dampener of drug. GLADYS tuned the guitar and I went out to see what I could do with NEIL. We talked awhile and I found myself able to play that guitar like never before - was elated and entranced with my own music and new ability...especially since I found I could work with NEIL and play along at the same time, using it for sort of background and emphasis and attention changer. Talked to NEIL about pains in chest - had him try Gestalt exercises but he was too far out. I felt him as a little boy asking mama to fix it and I felt like I'd like to be able to fix it, but not inadequate because I couldn't do so.

OVER

GLADYS came down, wanting attention and to sing and play the guitar. I was happy to see him and we began to sing a song but BZ tore out and jerked him away like a shot/ I understood how she felt and her worry about his contamination, but I felt resentful at being considered a contaminating agent so decided it must be PAUL she was worried about and rationalized it that way.

Spent time talking to PEGGY about her feelings since separation from SURFER and watching her way with her child. All along was playing one song after another and my attention was sort of split. PEGGY came on strong about dislike for SURFER but didn't realize she was saying it and by way of atonement immediately began telling me a' ut how neurotically she operates - but in SURFER's terms and sounding like a parrot. I tried to be subtle and gently get her to see what she'd done, but it somehow didn't seem important compared to PAUL wandering around painfully and looking at me like a sick puppy. So PAUL and I talked about the things that made him nauseous and he went and leaned over the fence a few things but explained that while these things would have upset him six months ago, they don't any more. Things such as "penis" and "breast" and "hand" and "hang". (I wonder if his mother hanged herself) I began trying to play Tom Dooley and noticed PAUL swallowing hard when I got to "this time tomorrow weckon where I'll be. Down in a lonesome canyon, hanging from a white oak tree" Also on "Poor boy you're bound to die" Began to worry that there was more going on than I was hep to and quit immediately.

SURFER came and PEGGY left. Felt warm even toward SURFER - allowed him to play big brother thing with me which is his newest button to push. He showed me things on the guitar and I gave it to him and began playing with JAY. Noticed PAUL watching me play with JAY with tears in his eyes - he kept looking away. Felt some sort of vibrations emanating from PAUL - like he was silently begging, pleading, entreating me for something. Didn't know exactly what I could produce that would provide it. He was hungry and wanted a pear - I told him to pick a peach instead. He did, showed it to me like a little kid and ate it like one, leaving most of it all over his face. So I put JAY on SURFER's lap and began singing nursery rhymes. PAUL came and fanally sat down but with that damn shit eating grin on his face. I didn't know what to make of it so didn't.

Physical effect of drug most outstanding. Full of energy and coordination. Lost fumbling, clumsy feeling altho I did manage to whack my shin on the water pipe and trip in a hole twice. But that's par for any course. Knew this was the same stuff JAY had and kept wondering why I wasn't getting the same euphoric, limp happy reaction. It was a physical and psychic energizer for me but without the emotion emphasizing effects of dexadrine. Went home and to sleep with 3 pills finally at 2 am. Kept self curling in sleeping bag womb all next day and night and didn't want to come out to face the world on Tuesday. It isn't a nice world these ~~ada~~ days and it deteriorates steadily.

I have read pages ..... to ..... in the  
notebook and understand their content  
There are no blank pages, except .....  
All entries are in the handwriting

Signed: ..... Date: .....

Signed: ..... Date: .....

10-3-66

BX

200 mg.

MMDA

In this experience each time  
he closed his eyes he observed  
internal visions all involving his  
present situation in school.

Vivid dreams & marked time lag

Feeling of Being Asleep

Nystagmus present (ocular) in all positions of  
gaze.

No trouble sleeping after this drug

Cross toleration to Cannabis?

Dreams more vivid.

Feeling of weakness shoulders to chest

24 hrs after proven MD same effect. 6 days later effective  
again



This from L. San. ~11/10/65

## THE DOW CHEMICAL COMPANY

SUBJECT

BOOK NO.

/MADA

the patient is a 33 yr old male 225 mgs taken

I had a strange awareness of my hands in about 20 minutes; not a feeling in them so much as just that I was attracted to them somehow;

in a few minutes I began to get fearful-of ? loneliness of the acute experience of aloneness, I did not want to go back there again.

I laid face down (often a depressed position for me) Next I remember 'talking to the kids at school (an image) or to other teachers; this was very vivid; the scenes at school were more vivid than those in the office where I actually was. and the people more real than YOU. I tried to 'come back' by getting physically close to YOU. but still drifted off to school

I was very sleepy throughout (not the alerting effect of LSD) and four hours later went immediately to sleep (I never did with LSD) I was bothered by the quality of reproduction of the music from 20 to 30 minutes after drug was taken - the crowded small office bothered me at first

of any experience I have had this was most like a series of dreams easily remembered (this drug is most sought after by our helpers in drug work - they function best on it as helping others) I felt after it was over as I had after a long period of sleeplessness - I had gone to bed and had a series of dream like states very vivid and colorful and real

see page 21

this is how the reaction mgs taken  
in the drug dosage.



BOOK NO.

SUBJECT

DATE

this from BV ~ 11/10/65.

Dear Sasha and Guys;

here are two more reports very brief because there is little to say-The copies you have you may keep as I have another

please see that KOZ gets one of these copies and I guess Sasha is collecting so he should have the other one;

MMA 150 ~~2000~~ mg

an experienced person in the use of drugs;  
complete neurological done 1 hr prior to testing was completely neg-care  
fully looked for was nystagmus-he showed a slight physiol nys in extremes  
of lateral gaze-1½ hrs after the drug he showed about the same amount  
and the balance of the neurol testing showed no difference from that of  
2½ hrs earlier

his bp which was 141/90 to start was unchanged

he only experienced a bit of tingling in his arms and legs and a slight  
sense that his hands were trembling, this was not objectively confirmed  
during the neurol testing  
he had no hallucin etc

MMA

the subject who is sensitive to as much as 8 mcgm of LSD noted the  
following within 30 minutes of injection of 20 mg of the drug  
a sense of tension in the chest-not unpleasant, increased accessibility  
to affect with some crying appropriate to the occasion. The enlarged  
third dimensionality of music and slight unsteadiness in locomotion-also  
the usual tendency to introvert and withdraw.  
these effects seemed to be the equivalent of about 10 to 15 mcgm of LSD  
and lasted 7 or 8 hours with the peak at 1½ to 2 hours.

I will be publishing a paper with TRACEY on vitalin and LSD and CO2 gas soon  
as I can get my part of it written

Comment was made ~ April 1966 by KELLY and friend ROBBIE  
of knowledge of MMA experiments, one ♀ and either 1 or 3 ♂.  
220 mg each. ♀ & early onset - ♂ on later - lasting much of the night.

Date 3/13/66

BOOK NO.

SUBJECT

Subjective comments regarding DOP.

(See p 115)

The 1.05 mg was taken at about 10:00 AM. Awareness of an effect was noted at about noon. There was the same sort of ablation, quick thinking, humorous talks as there was with DOE, in fact this whole time structure and behavior structure was much the same (not, I believe, quite as intense at 1.05 DOP vs. 1.5 DOE). The argument of sparkle is still true.

→ visual There is a little sparkle - went into total darkness for a little while - found that allowing image from door to fall on just one eye was unpleasant. With both eyes devoid of

This was stopped - this writing ↑ was at 3:20 PM and still quite under its influence - couldn't be bothered summarizing something up that still was going on. This ↓ written 4/10/66.

Time. Elapsed Time.

|          |       |                                                                                                                                               |
|----------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 10:00 AM | 0     | Took 1.05 mg orally.                                                                                                                          |
| 12:00 n. | 2     | awareness, see above.                                                                                                                         |
| 3:20 PM  | 5½    | wake the above. AD came in to lab (Sunday) but noted nothing. It didn't tell him.                                                             |
| 7:00 PM  | 9     | Still quite excited - ate dinner with much humor.                                                                                             |
| 11-12 PM | 13-14 | Alert - reading & working - can't seem to turn it off                                                                                         |
| 2 AM     | 16    | To bed - probably didn't sleep at all - maybe fretful catnaps. Mind continuously going over and rearranging previous evenings study material. |
| 6 AM     | 20    | Up - to lab - not tired - still alert.                                                                                                        |
| 12 n.    | 26    | seem to finally show signs of relaxing.                                                                                                       |
| 6 PM.    | 32.   | Out of it.                                                                                                                                    |

Slept quite normally that night - no apparent after effects.

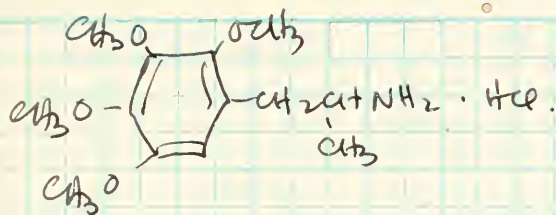


SUBJECT

Subacute Trial.

BOOK NO.

DATE



date time dose comments.

4/9/66 9:35 AM 0.5 mg nothing.

6/22/66 9:30 AM. 2.1 mg. nothing. (1/4 8:05, 3/4 9:30).

7/8/66 10:00 AM. 5.0 mg. nothing. (one shot.).

10/29/66 8:25 AM. 8.4 mg. nothing.

3/31/67 8:00 AM 14.0 mg. nothing. Terrible taste.

4/4/67 11:15 AM 20.4 mg. possibly exaggerated reflexes (leg, eye) otherwise Nothing

± 4/26/67. 9:05 AM. 30.0 mg. definite threshold. dilatin - humor - wild day -  $\chi^2$  calculation on PDP-7, SF. Motor Vehicle Dept.

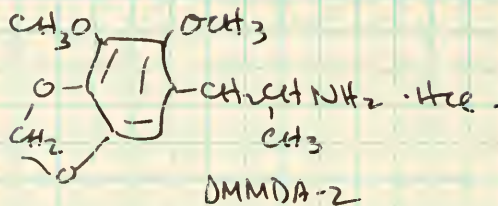
+ 5/2/67 ~SPM. 34 mg. Dance Class - gastric upset - more the less - distinct intoxication - next AM - foul headache.

Active level will be, by extrapolation about 50 mg - so 6 x mescaline.

SUBJECT

Subacute Trial.

DATE



|         |          |        |          |         |
|---------|----------|--------|----------|---------|
| 6/27/66 | 9:55 AM  | 0.4 mg |          |         |
|         | 1:00 PM  | 1.1 mg | Σ 1.5 mg | nothing |
| 6/28/66 | 10: AM   | 1.6 mg |          |         |
|         | 11:30 AM | 1.7 mg | Σ 3.3 mg | nothing |

— data continued on page 140 —

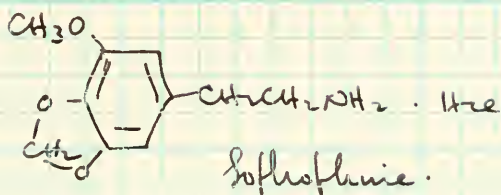


SUBJECT

Subacute Trial.

BOOK NO.

DATE



~ 6/1/66 . AT3 . 0.5 + 1.5 mg at 1 hr. nothing.

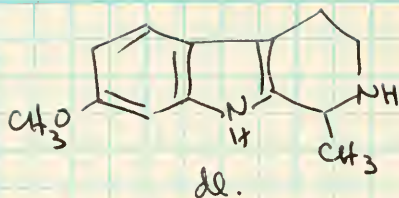
~ 7/3/66 GLAD'S 12.2 mg negative.

3/8/66 GLAD'S 150 mg thresh-hold.

(8/3/66) GLAD'S (156.5 mg). At 2-5 hrs. very euphoric and peaceful mood elevation -  $\approx$  mescaline - but no visual distortion. Mild enhancement of visual & color perception (function of mood elevation). No nausea, no eyes-closed vision, slept easily at 11<sup>30</sup> PM.

67?

Continued - p. 228



Tetrahydroharmine

~6/15/66.

GLADYS

100 mg threshold?

his record

→ 22 March '66 0.8 mg at 3<sup>45</sup> pm. A 4<sup>30</sup> slight  
prodomal ~~of~~ signs - excited, light headed - placebo effect?

→ 23 March 66 1.8 mg at 3<sup>00</sup> PM. Nothing - so much for above.

→ 25 March 66 3.4 mg at 3<sup>00</sup> PM Nothing.

→ 27 April 66 13.5 mg Nothing.  
nothing.

→ 2 May 66 22.6 mg 2<sup>40</sup> pm. Possibly a vague  
mild pleasurable state.

→ 12 May 66 44 mg 4<sup>50</sup> pm same as above

→ 8 June 66 99 mg 10<sup>00</sup> am. distinct threshold.

Mild color intensification, euphoria, emotional empathy. Lay in  
darkened room at about 2 hrs. had some fleeting images,  
primarily of cars and buses; quite a bit of blue in the  
pictures. By 5 hrs completely gone.

"Tetrahydroharmine"  
(ex autopsically)

?

oral 50-50mg - ex Jan  
June Nov 1978

## Running compilation (chronological) of subacute.

| DATE               | WHO    | WHAT      | HOW MUCH       | EFFECTS.                            |
|--------------------|--------|-----------|----------------|-------------------------------------|
| 5/25/63            | ATS    | TMA-4     | 16.7 mg        | bitter. NR                          |
| 6/5/63             | ATS    | TMA-4     | 26.3           | NR.                                 |
| 8/26/63            | ATS    | MMDA 3a+1 | 0.2 mg         | NR.                                 |
| 9/27/63            | ATS    | MMDA 3a+1 | 0.5 mg         | NR.                                 |
| 9/29/63            | ATS    | MMDA 3a+1 | 1.0 mg         | NR.                                 |
| 9/11/63            | ATS    | MMDA 3a-1 | 4.4 mg         | NR.                                 |
| 9/12/63            | ATS    | MMDA 2-1  | 2.6 mg         | NR.                                 |
| 9/13/63            | ATS    | MME       | 0.8 mg         | NR                                  |
| 9/16/63            | ATS    | MME       | 2.2            | NR                                  |
| <del>9/16/63</del> |        | MME       | 2.0            |                                     |
| 9/17/63            | ATS    | MMDA 3a+1 | 1.9 mg         | NR                                  |
| 9/19/63            | ATS    | MME       | 6.5            | NR                                  |
| 9/14/63            | ATS    | MEM       | 0.8 mg         | NR                                  |
| 9/16/63            | ATS    | MME       | 9.9            | NR                                  |
| 9/26/63            | ATS    | MEM       | 2.2            | NR                                  |
| 9/26/63            | ATS    | MMDA 3a-1 | 8.1 mg         | NR                                  |
| 9/30/63            | ATS    | MEM       | 4.5            | NR                                  |
|                    |        | MEM       | 2.8            |                                     |
| 10/1/63            | ATS    | MEE       | 0.4 mg         | NR                                  |
| 10/3/63            | ATS    | MEM       | 10.5 mg        | Threshold definitely. if so > TMA-2 |
| 10/8/63            | ATS    | MEE       | 1.0 mg         | NR                                  |
| 10/14/63           | ATS    | MEE       | 1.7 mg         | NR.                                 |
| 10/17/63           | ATS    | MEE       | 2.8 mg         | NR.                                 |
| 10/23/63           | ATS    | MEE       | 4.6 mg         | NR.                                 |
| 10/25/63           | ATS    | MME       | 16.3 mg        | unwell at 3:00? bit stony. NR.      |
| 11/20/63           | ATS    | MMDA 3a-1 | 13.8 mg        | NR                                  |
| 11/30/63           | ATS    | MMDA 3a+1 | 3.5 mg         | NR.                                 |
| 12/1/63            | ATS    | DOM       | 0.1            | NR                                  |
|                    |        | DOM       | 0.1 at 1:20    |                                     |
| 12/3/63            | ATS    | AEM       | 220 mg         | NR                                  |
| 12/6/63            | GLADYS | MMDA 3a-1 | 40 mg          | NR                                  |
| 1/4/64             | ATS    | TMA-3     | 0.5 mg         | NR                                  |
|                    |        | TMA-3     | 2.5 mg at 1:20 |                                     |
| 1/6/64             | ATS    | DOM       | 0.4            | NR                                  |
|                    |        |           | 0.4 at 1:00    |                                     |
|                    |        |           | 0.2 at 2:10    | NR                                  |
|                    |        |           |                | threshold? too long - probably NR.  |



continue Subacute.

|                    |        |                                          |                                |                                    |                 |
|--------------------|--------|------------------------------------------|--------------------------------|------------------------------------|-----------------|
| 1/9/64             | ATS    | <sup>WV</sup> <sup>1500</sup> <b>DOM</b> | 1.9 mg                         | absolute threshold! long colors    | 8-15 hr plateau |
| 1/12/64            | ATS    | TMA-3                                    | 6.2 mg                         | NR                                 |                 |
| 1/14/64            | ATS    | TMA-3                                    | 10.6                           | NR                                 |                 |
| 1/20/64            | ATS    | TMA-3                                    | 15.1 mg                        | NR                                 |                 |
| 1/22/64            | ATS    | TMA-3                                    | 20.6 mg                        | at 1:30 dizzy? - NR.               |                 |
| 1/19/64            | GLADYS | MMDA39-1                                 | 65 mg                          | NR                                 |                 |
| 1/28/64            | ATS    | TMA-3                                    | 26.6 mg                        | NR.                                |                 |
| 1/31/64            | ATS    | TMA-3                                    | 36.5 mg                        | NR                                 |                 |
| 2/3/64             | GLADYS | DOM                                      | 2.3 mg                         | confirmation - not the 5-15 though |                 |
| 2/5/64             | ATS    | TMA-3                                    | 51.1                           | 0                                  |                 |
|                    |        | TMA-3                                    | 12.1 + 1:50                    |                                    |                 |
|                    |        | TMA-3                                    | 14.8 + 2:55                    | → 578 mg NR whatsoever             | that is all     |
| 2/26/64            | ATS    | TMA-6                                    | 0.4 mg                         | NR                                 |                 |
| 2/28/64            | ATS    | DOE                                      | 0.2 mg                         | NR                                 |                 |
| 3/16/64            | ATS    | DOE                                      | 0.5 mg; 1:40 + 0.2 mg          | → 0.7 mg starchy at 2:50? NR       |                 |
| 3/23/64            | ATS    | TMA-6                                    | 1.2 mg                         | NR                                 |                 |
| 4/5/64             | ATS    | MME                                      | 24.8 mg                        | NR                                 |                 |
| 5/21               | ATS    | TMA-6                                    | 3.8 mg                         | 5:00 stashes? NR                   |                 |
| 6/9/64             | ATS    | extracts                                 | S. dio.                        | 7                                  |                 |
| <del>6/12/64</del> |        |                                          | 1:00 hrs                       | → 8 → 5 = 15 g leaves              | NR              |
| 6/12/64            | ATS    | S. dio                                   |                                | 20 g leaves                        | NR.             |
| 7/1/64             | ATS    | TMA-6                                    | 5.5 mg                         | Threshold? 1:30 dizzy? NR?         |                 |
| 7/2/64             | ATS    | TMA-5                                    | 0.2 mg; +3:00 + 0.3; +4:00 0.3 | → 0.8 mg NR.                       |                 |
| 7/7/64             | ATS    | <b>TMA-6</b>                             | 7.8 mg; +2:00 3.6 mg           | → 11.4 mg                          | Threshold!      |
| 7/24/64            | ATS    | DOE                                      | 1.0 mg                         | marginal? 2-5 hrs?                 |                 |
| 8/1/64             | ATS    | DOTB                                     | 10 g                           |                                    |                 |
|                    |        | DOTB                                     | +2:00 hrs 15 g                 | → 25 g                             | NR              |
| 8/5/64             | ATS    | TMA-5                                    | 1.0 mg                         | NR.                                |                 |
| 8/11/64            | ATS    | DOTB                                     | 50 g                           |                                    |                 |
|                    |        | DOTB                                     | +50 g at 1:20                  | → 100 g                            | NR              |
| 8/14/64            | ATS    | TMA-5                                    | 2.2 mg; +1:30 2.0              | → 4.2 mg                           | NR.             |
| 8/15/64            | ATS    | DOTB                                     | 150 g                          |                                    |                 |
|                    |        |                                          | at 1:10 + 100 g                | → 0.25 mg                          | NR.             |
| 8/27/64            | ATS    | <b>DOE</b>                               | 1.5 mg                         | Effective plateau 5-16 hrs         | enhance colors! |
| 9/13/64            | ATS    | TMA-5                                    | 7.0 mg                         | bitter - NR.                       |                 |



more subacute.

|         |     |         |          |                |                                   |
|---------|-----|---------|----------|----------------|-----------------------------------|
| 9/10/64 | ATS | DOTP -  | 0.4 mg   | NR.            |                                   |
| 9/17/64 | ATS | TMA-S - | 10.1 mg; | +1:15 3.7      | 8:13.8 mg NR.                     |
| 9/30/64 | ATS | TMA-S - | 18.2 mg  | 2:00 SNS stim, | 3:00 delatin. stimulant? CAREFUL. |

———— Summarize all in report for Slonka ————

KOZ writing up all MMDA work for MMDA monograph.  
 KOZ tabulation of DMPEA for schizophrenia paper.

|          |     |     |         |    |
|----------|-----|-----|---------|----|
| 10/10/65 | ATS | DOP | 0.25 mg | NR |
| 10/14/65 | ATS | DOP | 0.45 mg | NR |
| 1/6/66   | ATS | DOP | 0.7 mg  | NR |
| 4/9/66   | ATS | M4A | 0.8 mg  | NR |
| 6/22/66  | ATS | M4A | 2.1 mg  | NR |
| 7/8/66   | ATS | M4A | 5.0 mg  | NR |

SUBJECT

GLADYS on DOP.

DATE 7/31/66

GLADYS on 0.8 mg DOP (see page <sup>115</sup> 114)time rel. t.  
0930 0.6 PM. 8.5 hrs.  
Mid. 14.5 hrs  
AM.energizer - probably no sparks.  
peak? - medicine cabinet shimmers.  
3/4 gr seconal.  
hangover ~~or~~ seconal.  
maybe into

23 hrs.? today?

Continued

0.51 mg 7/7/66

0.8 mg 7/31/66

maybe in AM. still effects DOP.

0.51 mg 7 Jul 66

Nothing

0.80 mg 91 Jul 66

9<sup>30</sup> am took it. Prodromal lethargy

to about 3<sup>30</sup> pm 2 pm not really lethargy, relaxed and pleasant. Psychic ~~energization~~ energization from 2 pm, euphoric but not amphetamine-like jittery & world bright, pleasant, optimistic. Peak at 6-10 pm, with very slight wavering of lines and color enhancement. Unable to sleep at 1 am, thoughts buzz continuously. Took 3/4 gr pentobarb, Awake am groggy from pentobarb, when this cleared, again euphoric and happy - still effects of DOP?

SUBJECT

dextro-amphetamine.

BOOK NO.

DATE

To finally and subjectively assign those properties that would be called sympathomimetic - but not psychotomimetic -

10-16-66 11:50 AM. 5.0 mg.

1:30 PM.

8.0 mg more

13 mg

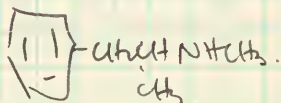
Σ 13 - no effect - not even eye dilatation - I worked late that night so there might have been CNS stim. - but no mental, or jittery effects.

15 mg. 11/5/77 AT3 10:42 AM (0:00) (1:00) have paroxetine - that is all. at (2:00) challenge with 60 mg LSD. g.v. p. 256. (15:00) no sleep - fitful after a few hrs of hypn. - This is the only noticeable effect. otherwise - n.e.

SUBJECT

Subjective analysis.

DATE

DL or D.  
Hce Hce10/20/66. CE ~~10:20 AM~~ 10:20 AM. 4.5 mg.

12:20 PM. 5.5 mg more.  $\Sigma$  10 mg. probably no effects - I was active, but there was no evidence of central stimulation for sure. Certainly not any of eye or other objective effects.

11/27/66 CE

10:45 AM. 7.5 mg

12:20 + 5 mg  $\Sigma$  12.5 mg Possibility of very slight dilation at ~2:00 PM. Was extremely active through the rest of afternoon - got a very great amount done. Cleaned out Pandora, bookcases off desk etc. no hunger - but no intoxic. either. Little effects.

-(+) 5/18/77

CE

20 mg

9:35 AM = (0:00) slight something at (0:30)? very active all day - n.e.

however - to bed, when tired at (15:00) no sleep - two hours awake - then occasional sleep. - H.M. no suffering for lack - but definite sleep interference. (+) Mignol - no - make that (+). But - mentally

±

CE

30 mg

1/12/79 12:45 PM = (0:00) ~ (1:00) sl. paroxysms - got much done - little specific effect. Restless sleep (12:00) JMM 30, 50.

±

CE

30 mg ~ 3/79 as primer for LSD. see p. 288 (3, 603).  
+ 30 at (2:00) - lost in primer experiment.

+

CE

30 mg 6/22/79 - 9:12 AM = (0:00) (1:00) true alert shakle - v. nice (2:00) pains going very well (practic for vertice) completely infotest. (2:00) nothing left. still not hungry - 3/4 available.

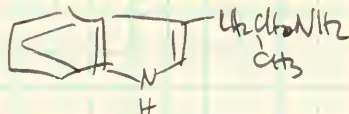


SUBJECT

 $\alpha$ -MT.

BOOK NO.

DATE



This is the material of MICK fame. (maybe!)

Before 4/11/66 80 mg (Dan) 1 hr. High  
 2 hr. Nausea of Mez. no vision  
 no hallucin  
 13 hrs. go go go - out but depersonaliz.  
 c Pot.

160 mg (D<sup>2</sup>-Dan) as above - but toxics.  
 80 mg get another.  
 20 mg nothing.  
 10 mg GADIS nil.  
 20 mg GADIS pleasant. mild euphoric. few hrs.

SUBJECT

Ibogaine.

BOOK NO.

DATE



before ~ 11/11/66.

800 mg extract. full.

400 mg of "pure" HCl OK.

check: KOZ 300-400 mg salt needed.

~ 8/67

now 250 mg — must make article for experiments—

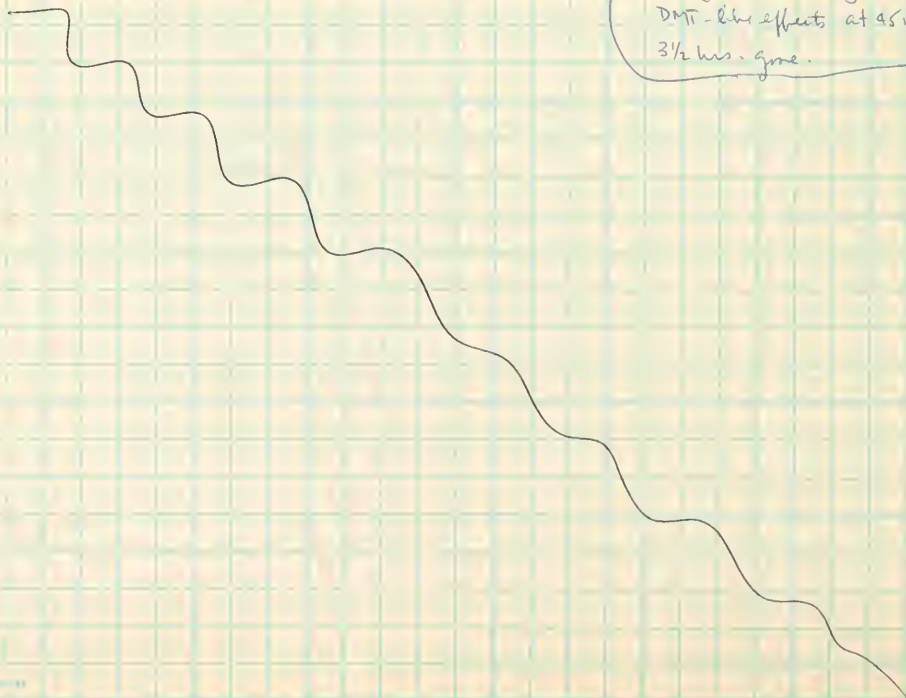
Ibogaine + MDA (250 mg + 75 mg) → 16 hrs.

Ibogaine + TMA-2 (250 mg) + 20 TMA-2 → 16 hrs + motor agitation.

DMT continued.

(20 mg in DMSO) (in 100 µl) 2:45 8/11/77. n.e. to page 327.

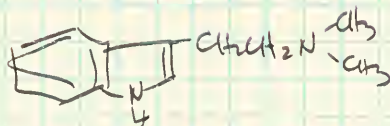
note from ADAM ~ 7/11/78  
 100 mg DMT + 100 mg harmaline  
 DMT-like effects at 45 minutes  
 3 1/2 hrs. gone.



SUBJECT

DMT.

DATE



before 11/1/66 - DMT up to 1.0 g p.o.s. ALFRED (friend of BORIS)

5/29/76. Constant cigarettes, a few milligrams of finely powdered Tanacetum vulgare are appropriately distributed on paper, and the free base (20 mg, 100 mg) evenly distributed and mixed. Direct heat & an infra-red lamp melts the base, and the sl. sticky mix is rolled into a v. tight and small diameter cigarette (4-5 mm dia.). The leaf (this is marked off) to determine the quantity taken. All experiments separated by ~ 2 hrs.

→ 5 mg. (inhalation). n.e.

→ 15 mg (inhalation) n.e.

→ 20 mg (inhal) after ~ 30 sec. a strong light-headedness starts - possibly some peripheral pressure. Real effect and there is a "quantitative" awareness of the measure of the intensity - no visual - no sensory distortion - just very much in its control. Max at 3 min, then rapid disappearance. Out at 7 min.

→ 30 mg (inhal) within 30 sec. start. - Build up to max. (?) intensity at 2-2 1/2 min. Some yellowing of visual field - complete control given to drug - but there is nothing to do. - no eyes-closed - no imagery - the intense plateau is left at 3-4 min - still "up" but there is a clear awareness of the rate of recovery - the radius is apparent again. 8 minutes OUT.

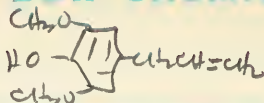
→ 20 mg + 10 + 10 + 10 Attempt to maintain the 3-4 minute effect of the 30 mg experience above by chronic reinforcement. 20 mg was inhaled - followed in a minute by 10 mg - redevelopment of the strongly intoxicated state (but not back to the "yellow" degree) and as the effect starts waning, reinforce c 10 mg (at 4 min) again at 8 min and here the effects seem to be a little smoothed out - next (and last) reinforcement at 13 min (10 mg) which maintained effects for a few more minutes - rapid clearance and completely out at 20 minutes. No residual effects. a completely stupid drug.



SUBJECT

BOOK NO.

DATE



1.1 mg (GRADs)

15/12/66 1:10 PM. Lunch at 1:30  
 feeling very pleasant 2.00. Postprandial euphoria.

1.9 mg (GRADs)

16/12/66 12:15 PM Lunch 1:30 PM NR

4.1 mg (GRADs)

6 Jan 67 NR felt good

9.7 mg (GRADs)

9 Jan 67 NR felt good.



SUBJECT

The Peanut Cocktail

BOOK NO.

DATE

12/22/66

GLADYS P.M.

5g. spoke in evening as maybe having some color enhancement. was easily brought to light humor. - This was the evening of the kitchen sink trap episode.  
(=0:00hrs)

for a 5g Nutmeg equivalent.

|          |         |
|----------|---------|
| MDA.HCl  | 11.4 mg |
| MMDA.HCl | 60.8 mg |
| TMA.HCl  | 22.0 mg |

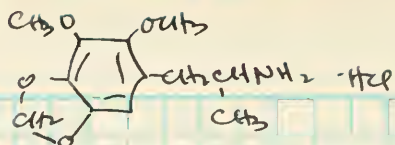
12/24/66

ATS

10<sup>45</sup> AM. A 5g. at 1:15 hrs quite dilated - stargy effects. At 1:45 there is a sure threshold - no anxiety but curiosity to see where it all will go. Slight flushing. I know it wouldn't take much more of this to get things to move around. 2:45 dilation going down - feel out of it more or less.

SUBJECT

BOOK NO.

DATE  
DMMDA-2.See page  
126 for  
early data.

Feb 10, 1967.

GLADYS 4.0 possible threshold ?  
mg.~~March~~ March 7/67.GLADYS 28 mg. Threshold. < 15 mg TMA-2  
< 26 mg TMA 6

April 4, 1967

GLADYS 50 mg. Into it, much like MDA.

I have read pages ..... to ..... in this  
notebook and understand their content.  
There are no blank pages, except .....  
All entries are in the handwriting of .....

Signed: ..... Date: .....

Signed: ..... Date: .....

DAT



4-MA

3/16/67. GLADYS 1.0 mg No Effect.  
3/28/67. BORIS 2.0 mg Was quite unsure - possible threshold???

4/23/67 BORIS 4.0 mg N.R.  
4/25/67 BORIS 8.0 mg N.R.  
5/18/67 BORIS 17 mg felt fingers cool, personally detached at about 45 min - 1 hr. Then nothing. Threshold???

1/11/68 ATS 25 mg NR (10.10 AM)  
1/12/68 GLADYS ~35 mg reported somnolence at 2 hrs - but had 2 Irish coffees at 1/2 hr. in bed (?)

1/12/68 ATS 42.5 mg 10.55 AM. - unusual taste - possibly strange at 11.45 - 12.45 (1-2 hrs) - certainly OK at 4.

1/16/68 GLADYS 56.5 g 2:55 - real effect - feeling of druginess or alcohol-like depression (intoxication) - no <sup>involuntary</sup> response

1/25/68 ATS 60 mg Very real effect - the day of the I-31 trip to hill - refuse to go.  
1 hr. on - sudden.  
1:10 - to whole body counter - polythene. up  
1:30 - flat - 2:20 clearing!

2/6/68 GLADYS 70 mg. dance pleibo: paraesthesia - nice - real.

act 89. CF - 57 mg 1/Ko. 1:15 sudden onset 13/65 14/65  
(not included)  
afterimages  
1 3/4 hrs 200/100. DET-like.  
3 1/2 hrs. - no more mental  
some bp.  
some paraesthesia  
4 1/2 out -

9/24/77 ATS 60 mg 7:30 AM - little if any effect. I certainly am functionally becoming wiser.  
Follow i MDMA - see p 233

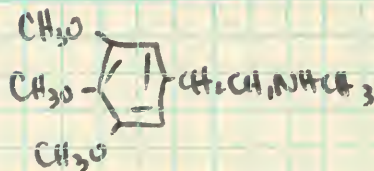
| Pt # | Subject | Weight | Dose PMA | Time Urine Collection              | Volume                      | mg Oxetone sample   | Total PMA <sup>ug</sup>                      | Recovery added PMA %   | % Administered PMA Excreted                           | ug PMA / <sup>mg Oxetone</sup> |
|------|---------|--------|----------|------------------------------------|-----------------------------|---------------------|----------------------------------------------|------------------------|-------------------------------------------------------|--------------------------------|
| ①    | 71      | 65 Kg  | 10 mg    | 0-12 hrs<br>12-24 hrs              | 660 ml<br>320 ml            | 581<br>508          | 264 $\mu$ gm<br>51 $\mu$ gm                  | 107 %<br>93 %          | 2.64 %<br>0.51 %<br><u>3.15 %</u> - 24 hrs            | 0.455<br>0.10                  |
| ②    | 1A      | 81 =   | 10 mg    | 0-12 hrs<br>12-24 hrs<br>24-36 hrs | 840 ml<br>1020 ml<br>960 ml | 672<br>1278<br>1023 | 675 $\mu$ gm<br>615 $\mu$ gm<br>192 $\mu$ gm | 129 %<br>100 %<br>96 % | 6.75 %<br>6.15 %<br>1.92 %<br><u>14.8 %</u> - 36 hrs  | 1.0<br>0.48<br>0.87            |
| ③    | 71      | 65 Kg  | 65 mg    | 0-12 hrs<br>12-24 hrs<br>24-36 hrs | 380 ml<br>510 ml<br>150 ml  | 400<br>231<br>280   | 107 $\mu$ gm<br>51 $\mu$ gm<br>9 $\mu$ gm    | 127 %<br>110 %<br>79 % | 0.165 %<br>0.078 %<br>0.014<br><u>0.26 %</u> - 36 hrs | 0.68<br>0.26<br>0.052          |
| ④    | 2E      | 57 Kg  | 57 mg    | 0-15 hrs                           | 1000 ml                     | 1453                | 6730 $\mu$ gm                                | not done               | <u>11.8 %</u> - 15 hrs                                | 4.65                           |
| ⑤    | 1A      | 67 Kg  | 20 mg    | 0-24 hrs                           | 900 ml                      | 1103                | 850 $\mu$ gm                                 | 109 %                  | <u>4.25 %</u> - 24 hrs                                | 1.3                            |
| ⑥    | CH      | 76 Kg  | 30 mg    | 0-12 hrs<br>12-24 hrs              | 1770<br>1280                | 800 mg<br>1189 mg   | 1050 $\mu$ gm<br>420 $\mu$ gm                | 113 %<br>91.5 %        | 3.5 %<br>1.4<br><u>4.9 %</u> - 24 hrs                 | 0.96<br>2.8                    |



Rejs PMA date

SUBJECT N-Methyl Mescaline ·

DATE



3/28/67

1.0 mg 8:05 AM (ATS) NR.

4/8/67

2.3 mg 8:30 AM.

1.7 mg

10:30 AM &amp; 4.0 mg (ATS) NR. (Nina thought I was faking when I was driving - I thought not.) - Voila - no effect!

4/21/67

7.0 mg 9:00 AM

4.3 mg 10:40 AM &amp; 11.3 mg NR.

4/26/67

16.0 mg 11:45 AM. NR.

5/24/67

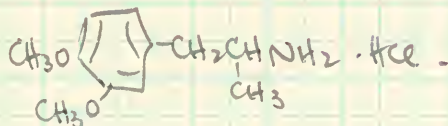
24.0 mg 9:40 AM. atrocious taste - in afternoon (~3) contact  
highed & BORIS, GLADYS - wild humor - not assignable? no effect.

SUBJECT

(3,4-)DMA.

BOOK NO.

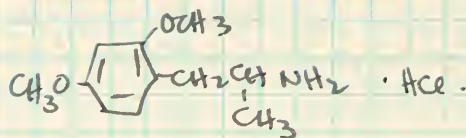
DATE



According to M.D. ALEC Int. J. Neuropharmacology -  
 1967 6 151 - Ales states (personal communication) some  
 2-3 times less active than MDA. &  
 In ALEC'S thesis is an extensive army report describing  
 2 psychotic patients - both i.v. -  
 at 70 mg nothing.  
 at 700 mg - mescaline-like. nothing in between?

SUBJECT 2,4-DMA.

DATE



GLADYS running.

5/23/67

16 mg - GLADYS - no effects

7/25/67

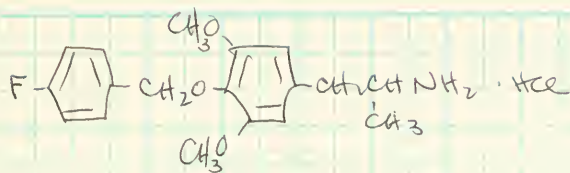
61 mg - GLADYS - definite threshold. 12 nm - at 1 PM -  
 amphetamine-like 200 peak - euphoria - diffusion of  
 association - no question about it. 3 - quieting down.



BOOK NO.

SUBJECT

DATE



date

2 GLADYS 1 mg

no effect

1/4/63 GLADYS 4 mg

no effects.

SUBJECT

6-CH<sub>3</sub> HARMALAN

BOOK NO.

DATE



6/9/67

1.0 mg 9:35

2.5 mg 10:40;

1.0 11:05; 3.7 12:20

Σ 8.2 mg (trace) (3 hr) N. effect.

6/29/67

18 mg

8:00 AM.

(in dil HCl). no effect.

7/18/67

33.4 mg

8:50 AM

(in cap) trace unresolvable 11:AM - no effect.

SUBJECT

Hystradine:

BOOK NO.

DATE

(or ~~6~~ 6-MeO-H<sub>4</sub>-harman, see index)

K0Z to 300 mg. no effects except pain in testicles.

ce--ethiclnH<sub>2</sub> - K0Z to 400 mg - NR



SUBJECT

Berbario.

BOOK NO.

DATE

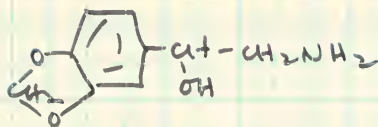
ex. KOZ to 300 mg. N.R.



SUBJECT 2-04-MDA.

BOOK NO.

DATE

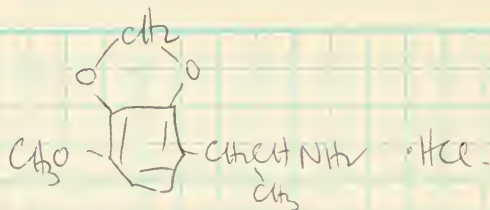
MDE  
methylendioxy ethanamine

by KOZ to 100 mg, NR.

The report: June ~25, 1967.

SUBJECT MDMA - 36.

DATE



7/25/67 GLADYS 1.0 mg NR.

8/11/67 " 14 mg Threshold?

8/15/67 " 22 mg. NR.

9/19/67 " 37 mg NR

1/19/68 " 57.4 mg definitely active. - "qualitatively like MDA - i.e. gran-  
tative - duration perhaps less.

TMA-14 3/3/76 8.0 mg No effects. / see GLADYS (ATS - threshold KOZ P. 93) (on 12 mg p. 98-99)

5/9/76 12.0 mg 12:25 (noon) maybe slightest threshold at 2-4 P.M. - certainly less at 5. n.e.

6/15/76 16.0 mg ATS 3:15 PM [0:00] - quite real - moderately long-lasting -  
max. effects (2:30) - [5:00] - something still at [7:30] - see page 1885/25/77 20 mg ATS 9:25 AM [0:00] [1:20] slight thin-head effects (2:00) light intox -  
persists to [5:00 or 6:00] - very light stimed. + at most. no residue. - See 5/10/77 entry  
of 5-ox-BIP - sensory dists. somewhat similar here.

10/4/77 25 mg + to ++ see p 253

6/9/76 8 mg ATS n.e.

6/23/76 12 mg ATS 1:00 PM  
headed at 411/20/76 16 mg ATS  
effect - the

4/23/77 20 mg ++

4/29/77 25 mg ++

5/4/77 30 mg ++

5/11/77 30 mg ++

5/21/77 40 mg +

4/14/77 60 mg +++

SUBJECT MEM. p. 78. TMA-2-

BOOK NO.

DATE

11.0 mg. — day of lunch faces, fun, nausea of ice-cream cone.

MEM (11.0 mg)

10:20 AM. 11.0 mg.

12:00 lunch - long - many faces - down to Peppers - ice-cream. - to GLADYS's lab.

1:10 - telephone - each side descending - concentrate in both → no fun.

backs to office (1:30) &amp; comments.

1:20 → 1:30 slow - announce no this next day.

2:00 coming out - hazy - have in control.

at threshold → A = B ←

must try both at maybe 15 mg. maybe try will.

TMA 2 (11.0 mg).

10:00 AM 11.0 mg 9/26/67

12-1 lunch more faces, more nearly language control than MEM - afternoon into 2 or so before the intensified black &amp; white speckle was certain to be dying out.

At no point was this more than very rich threshold - but it was there and a real unworld.

As a unworld agent - this is the more potent - but for giggle &amp; fun - MEM is probably more effective.

MEM GLADYS 12.5 mg = 10 mg TMA-2 p 112.  
18 mg outline p 78  
AB p 78 and above.

TMA-2 12/24/76 8 mg AB (11:20 AM)

11:30 clean threshold

2:20 still threshold.

3/1/76 10 mg <sup>+</sup> 5:15 (0:00); 1:00-1:30 dinner - strange evening (no stress > 1 month) stomach cramp, but N. very ill. read easily at 5:00 and slept well. Bare threshold, that's all.5/30/76 12+ (14.0 mg) = 13 mg <sup>++</sup> rather effective dose - more than threshold - see p 1852/6/77 16 mg <sup>+</sup> 10:10 AM = [0:00] [1:05] sh. light head [2:00] more noticeable - am I missing? [10:00] out of focus  
None in! - slight if any effects.4/2/77 20 mg <sup>+++</sup> continue on 22410/6/77 25 mg <sup>+</sup> see page 224threshold - 11:30 (2:30) read - some temple pressure & light -  
3:00-4:00 still read - out 5:00 - complete control  
1:30 PM. afternoon of Pacific Overtones - possible wargame  
was itself bizarre - no evening problems. Not a good apt.  
details on page 229  
details on page 229  
details on page 229

See p 229, 233

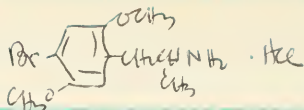
See p 229-233



SUBJECT

BOOK NO.

DATE



ABR.

9/21/67. 10 y - 4 PM - no effect.

9/22/67 GLADYS 20 y - 8:45 at 9:10 - thought visual field changed - I watched him several times say "This is absurd" - he would ignore something that was certainly unusual - and in a moment, be made aware of it. Almost like threshold. (at 20 y!) let us assume, no effects.

9/24/67 ARS 30 y No effect.

9/25/67 GLADYS 50 y - N.R.

9/26/67 ARS 100 y N.R.

10/1/67 ATS 200 y (9:45 AM) - possible intoxic & altered judgement when driving - effect? probably NR

10/4/67 GLADYS 400 y 1<sup>st</sup> mild effects at 4:00 PM.  
on to 8 PM - taper off to 2

enhancement of visual perception + color. "Clean cold feeling of wind on skin". Enhanced emotional effect, very comfortable & good feeling. ~~Easy~~ Easy to sleep - colorful dreams (important). Not tired after 5 hrs sleep.

1973 - Jan - Feb. all the Br<sup>82</sup>, Br<sup>77</sup> work. IV up to 40 yg N.E.

oral to 200 yg - trivial stimulation. TS, we, Gisela, Akko.

2/22/73 ATS 30 y IV. (25 yg Br<sup>82</sup>.) N.E.

KOZ received 101 mg 14 Oct 1967 - reported 1.5 mg → long duration but no increased effects.

Animal tox: Solution 1P. 3  
50 mg/Kg mice  
0:02 twitching.  
1:09 irritated - avoid being probed.  
1:28 + 2<sup>nd</sup> mouse - paraviv  
1:30 intramurals pretty normal  
6:00 cuddle together - no later effect

on to page 226



SUBJECT Harmalan. Harmaline.

BOOK NO.

DATE

In mixtures.

Harmaline

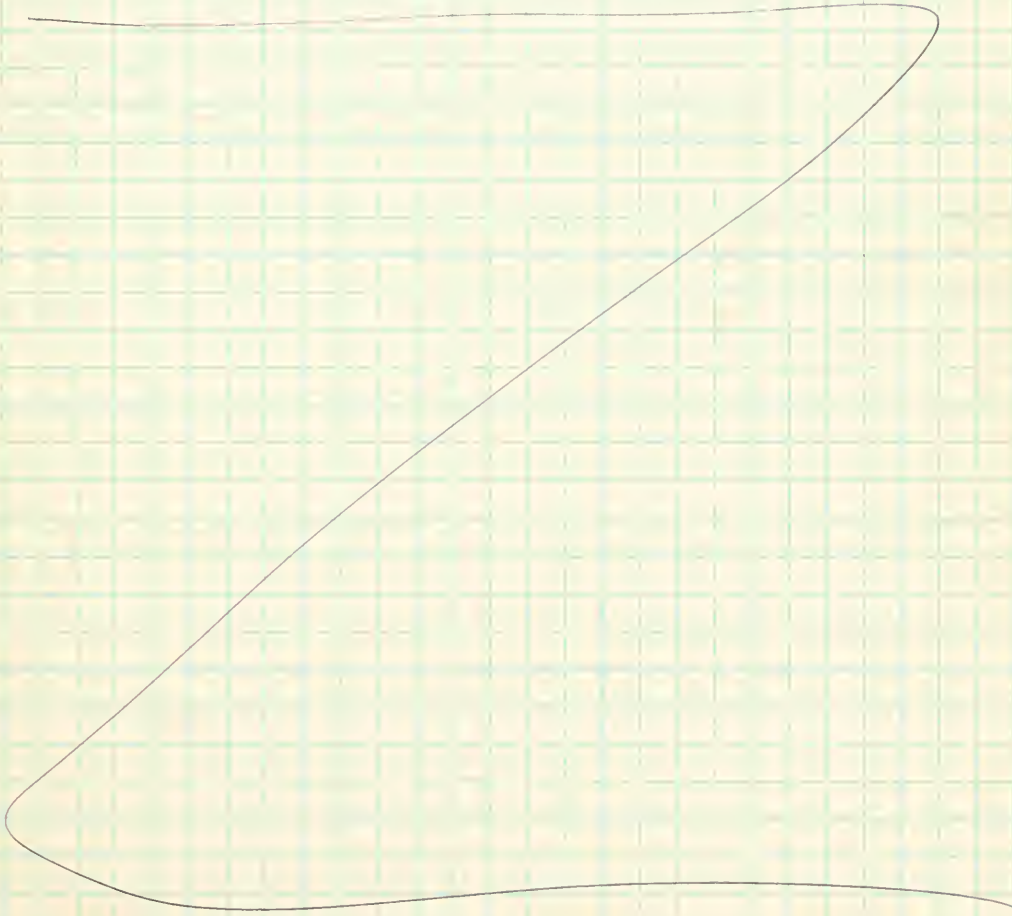
250 mg + 75 MDA → 16 hrs + motor agitation

A —

250 mg + 20 TMA-2 → "

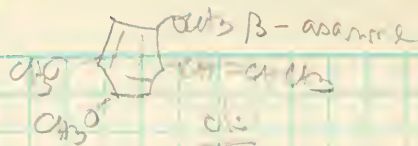
FREDD claims to have data. - Personal comm. (6/30/76) - oral 350 mg -  
Open eyes hallucinations - 1 1/2 - 3 hrs. as she recalls - drops off & more and more  
reassignment to eyes-closed. has written notes. early nausea.

My notes on page 225



SUBJECT

DATE



2.1 GLADYS nothing (20 Jan) 1968  
 1.3 ATS nothing (24 Jan)  
 12.0 GLADYS (1/29/68) - quite hungry since sedation  
 20.0 GLADYS possible effects at 5 hrs  
 25 mg ATS. nice. (1 Feb 1968)  
 30 mg GLADYS as above (2 Feb 1968)  
 40 mg ATS 11:30 AM 2/15/68 - 12:30 - 2 bit sandwich - all very  
 real - 1:00 take N. to home - no effects.  
 55 mg ATS 2/21/68 post prandial - 1:15 PM - no effects - evening  
 wine very effective, but probably not unusually so. N.E.  
 70 mg ATS. (9:45 AM) - 2/28/68 all systems turned up - but nothing switched on.

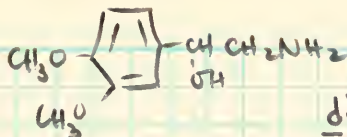
## MIX - TMA-2

3/13/68 { 40 mg  $\beta$ -asarine (8:05 AM)  
 2.5 mg TMA-2 (8:45 AM) }

4/18/68 { 40 mg  $\beta$ -asarine (9:35 AM)  
 10 mg TMA-2 (10:18 AM). } my note is blank, thus I assume, no effects.  
 (note found 11/27/76)

SUBJECT

DATE



dimethoxyphenyl-ethanolamine  
DME

|        |         |          |          |        |                                                                      |
|--------|---------|----------|----------|--------|----------------------------------------------------------------------|
| GLADYS | 50 g    | 12:00    | 5/8/68   | NR     |                                                                      |
| ATS    | 100 g   | 1:45     | 5/8/68   | NR     |                                                                      |
| ATS    | 200 g   | 9:10 AM  | 5/10/68  | NR     | 0.04 ml @ 0 mg / 2 ml.                                               |
| GLADYS | 400 g   | ? PM     | 5/10/68  | NR     |                                                                      |
| ATS    | 800 g   | 10:50 AM | 5/13/68  | NR     | The vague face at 1:30?                                              |
| GLADYS | 1.6 mg  | 1:50 PM  | 5/13/68  | NR?    | real 3:00 PM? intensely sleepy 4:30                                  |
| GLADYS | 2.5 mg  | 1:45 PM  | 5/16/68  |        |                                                                      |
| GLADYS | 5.0 mg  | 12:45    | 5/20/68  | NR?    |                                                                      |
| ATS    | 10.0 mg | 11:00    | 5/21/68  | NR     |                                                                      |
| GLADYS | 19.5 mg | 4:00 PM  | 5/22/68  |        | nothing.                                                             |
| ATS    | 32 mg   | 9:55 AM  | 6/4/68   |        | vigorous diarrhea at 1:30 - but greasy<br>fish & chips at 1:00 - NR. |
| GLADYS | 55 mg   |          | 6/7/68   |        | probably nothing.                                                    |
| ATS    | 75 mg   | 12:53    | 6/27/68  |        | nothing. (mild bitter taste).                                        |
| GLADYS | 115 mg  | 4:50 PM  | 6 Nov 68 | GLADYS | faintly nauseous 1/2 - 1 hr.<br>More alert in evening than usual     |

Morvetox. 7/5/68.

[0.00] 200 mg/Kg  
 [0.01] rear-end stretch - poor hind-leg function  
 [0.07] hypokinetic - catatonic? [1.40] normal  
 [0.00] 200 mg/Kg [0.11] bear walk [0.17] slow  
 walking but good coordination [0.30] all  
 scratched up - not easily provoked to move  
 he survived



SUBJECT

2-M



mixed isomers.

BOOK NO.

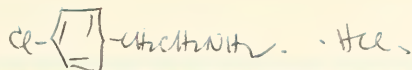
DATE

| DATE           | AMT -                      | TIME     | EFFECTS -                    |
|----------------|----------------------------|----------|------------------------------|
| 7/5/68         | 8 µg (0.01 ml soln)        | 4:45 PM  | NE                           |
| 7/6/68         | 20 µg                      | 10 AM.   | NE                           |
| 7/7/68         | 40 µg                      | 9 AM     | NE                           |
| 7/13/68        | 80 µg                      | 8:30 AM. | NE                           |
| GLADYS 7/19/68 | 160 µg                     |          | NE                           |
| " 7/24/68      | 320 µg                     |          | "                            |
| " 8/5/68       | 640 µg (0.8 ml)            |          | "                            |
| " 8/7/68       | 1.28 mg (1.6 ml)           |          | "                            |
| " 8/8/68       | 2.56 mg (3.2 ml)           |          | NE                           |
| " 8/12/68      | 4 mg (5 ml)                |          | NE                           |
| AK 8/13/68     | 6 mg (7.5 ml)              |          |                              |
|                | actually <del>8</del> 6 mg |          | NE (silly, but probably NE). |
| AKS - 8/15/68  | 6.0 mg                     |          | no effect.                   |
| 8 19 Aug 68    | 14.0 mg                    | solid.   | no effect.                   |

toxicity in 2M - mice - 2:54 PM 100 mg/Kg [0:01] OK [0:02] slowing down - [1:00] normal  
 3:15 PM. 150 mg/Kg i.p. [0:05] odd gate [0:10] no response to feeding [0:11] dead  
 2:58 PM. 200 mg/Kg i.p. [0:06] difficulties in walking [0:07] on back [0:11] convulsive  
 thrashing - [0:12] dead.



SUBJECT



DATE

K02

2mg - NE.

500 mg. orally (C.N.) n.r. —

ethanol

Wash-out starts ~ end of January 1976 - rigidly no ethanol of any form. Exceptions:  
 Several glasses of wine Timber Cove <sup>(Aug. 1976)</sup> Nicholas - note intoxic - not too pleasant. Exception: one  
 glass champagne & 1 glass dinner wine Jan 1 (Dec 31) 1977 - excellent taste! - no effects.

- 5g (95%, diluted to 80 ml) 10:00 PM 6/8/77. no effect.
- 10g (95%, diluted to 80 ml) 4:51 PM <sup>(11:10)</sup> [0100] (H<sub>2</sub>O) = ? no - no effect.

SUBJECT TMT

BOOK NO.

DATE



ex ANTHONY, Toronto.

GLADYS 0.1 mg 7 Oct 68 - nothing  
 ATB 0.2 mg (soln) 9 Oct 68 - nothing  
 GLADYS 0.4 mg (0.4 ml) 15 Oct 68 nothing.  
 GLADYS 0.8 mg (0.8 mg) 23 Oct 68 nothing.  
 ATB 1.6 mg 28 Oct 68 nothing.  
 ATB 3.4 mg 7 May 69 - 10:40 AM - nothing - extremely effluent from 12:30 - 3 PM 750 - N.R.  
 GLADYS 7.1 mg 9 May - no effect  
 ATB 13.3 mg 16 May 10 AM felt wrong at ~ 12 - not turn-on-like but kind of wrong. probably no effect.

## Ariadne blind studies.

Broken code

GLADYS ATB rotation sign

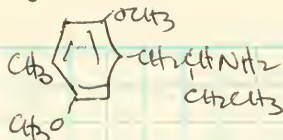
May 1979 A. Aug C. Aug (+) GLADYS no acting; ATB perhaps depression relief. n.e.  
 (ATB) B. Aug D. Aug (-) GLADYS gives real effect; ATB - slight "hangover" unworkableness &c.  
 5/22/79  
 5/25/79

SUBJECT

Ariadne

BOOK NO.

DATE



12/24/68

10 AM 0.05 mg N.E.

12/6/68

PM 0.10 mg N.Effect.

12/8/68

ATS 12<sup>noon</sup> 0.20 mg - PM = a little wine & grass - amnesia to 6 AM, no effect?

2/26/69

AB 9:45 AM 2.5 mg - almost believable mood elevations - no sedation.

13 Mar/69.

4 PM 2.9 mg - seems definite mood ↑ - nothing perceptual - antidepressant sans jittery effect

AB

4.0 mg

Nothing or. 1 hr of busy enthusiasm evening - extremely tranquil - groggy at Claremont Hotel.

17/mar/69

4<sup>30</sup> PM 4.5 mg

Worked &amp; enthusiasm - cleared up 4 year inventory of procrastination.

AB

10<sup>30</sup> 6.0 mg

mood all day - definitely anti-depressant wild at Dow -

May 13 1969

5.0 mg - going with efficiency into third day - the schizo in remission incident. Very effective

Mouse toxicity. March 7, 1969.

25 mg/Kg i.p. 11:58 AM. [0:02] slow, awkward gait [0:12] more when prodded - some tremors [0:27] occasional "hiccup" spasm - moves about, but oddly [3:07] all OK

50 mg/Kg 1:55 PM [0:12] sporadic shivering [1:15] tremors. survived -

100 mg/Kg i.p. 11:45 AM. [0:03] not moving much. [0:05] tremors - unsteady gait. [0:08] - convulsions - death.

June - July 1970 G.W. notes - see 192-193.

Blind studies



SUBJECT

det TMA-2

80(+) i.e., 80% pure (theo + 10%).

DATE (accd. Martin) -  
Disd - 30% purei.e. 65% d  
35% c

GLADYS

1.0 mg

nothing.

7/24/69

ATS

3.2 mg

(11 AM) nothing

7/31/69

ATS

5.5 mg

(11:30 AM) nothing.

I have read pages ..... to ..... in the  
notebook and understood their content  
There are no blank pages, except .....  
All entries are in the handwriting .....

Signed: ..... Date: .....

Signed: ..... Date: .....



SUBJECT

L(-) TMA-2

BOOK NO.

10°(-) - pure isomer.

DATE

"Metan" - L is L  
 40% pure  
 12-70% L  
 30% d.

GLADYS

4 mg

GLADYS

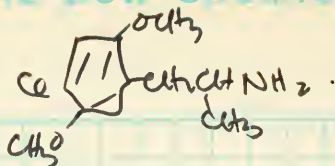
6.0 mg

some color  
 euphoria - no perceptible changes -  
 max at 3-5 hrs - unpleasant  
 after effects - not desirable?

ATS

7.7 mg Sept 18 9:30 AM.

SUBJECT



PCL

4-OX.

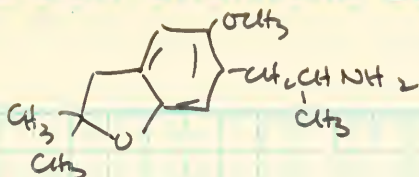
TYPE

DOCL

- June 19, 1971. 12:15 0.030 mg. - no effect. - The next day Sunday was wild (nice) with hints of a LSD-like intoxic, but not believably related to Sat. exper.
- October 8, 1974 9:00 AM 0.10 mg - no effects.
- February 19, 1975 10:45 AM 0.20 mg - probably no effects - some peripheral in a few hours? Not to be believed
- July 4, 1975 12:00 noon 0.30 mg - 1:00 - lightness? - early rush? 3:30. real talk gritty - gone by 8:00, : : P.E.
- ± Jan 25 1976 Sun. 11:30 AM. 0.40 mg - 2:30 [3:00] twinges of uneasiness - not too nice  
 $\boxed{2:00} \rightarrow \boxed{5:00}$  - sustained pressure, like a yawn - continuous  
 basically an unpleasant afternoon - nothing really - certainly nothing psychological - but maybe physical.

SUBJECT

BOOK NO.



F-2,2

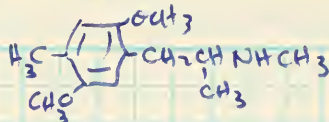
|                         |          |         |                                                                                                                 |
|-------------------------|----------|---------|-----------------------------------------------------------------------------------------------------------------|
| Oct 20.                 | 2:50 PM. | 0.010g  | no effect.                                                                                                      |
| Oct 22.                 | noon     | 0.025g  | no effect.                                                                                                      |
| Oct 25                  | ~ 1 AM.  | 0.05 mg | no effect - taken on polar flight to Copenhagen. after couple of drinks, driven. Dozed a while - Had no jet lag |
| ~ <del>Oct</del> Nov 5? | ?        | 0.08 mg | no effect.                                                                                                      |
| Dec. 13 1971            | 8 AM.    | 0.125g  | no effect.                                                                                                      |
| Dec 27, 1971            | 7 AM.    | 0.175g  | no effect.                                                                                                      |
| Jan 8, 1972             | noon     | 0.25 mg | no effect.                                                                                                      |
| May 13, 1972            | 9:30 AM. | 0.4 mg  | no effect - found mood all P.M. - not able to coordinate efforts - it was hot outside.                          |
| May 28, 1972            | 10:30 AM | 0.65 mg | no effect                                                                                                       |
| April 17, 1973          | 7:30 AM. | 1.0 mg  | no effects                                                                                                      |
| May 18 1973             | 7:30 AM  | 1.3 mg  | no effects.                                                                                                     |
| May 28 1973             | 10:00 AM | 1.7 mg  | no effects.                                                                                                     |
| June 12, 1973           | 7:45 AM  | 2.6 mg  | no effects.                                                                                                     |
| Feb. 12, 1975           | 9:35 AM. | 4.2 mg  | no effects.                                                                                                     |
| April 15, 1975          | 11:50 AM | 7.0 mg  | no effects.                                                                                                     |
| May 20, 1975            | 9:00 AM  | 10.0 mg | something at 1 1/2 hr? no effects.                                                                              |
| June 14 1975            | 8:30 AM. | 13.0 mg | no effects.                                                                                                     |



SUBJECT N-Me DOM.

BOOK NO.

DATE



|   |               |            |         |      |                                                                                                                                                                    |
|---|---------------|------------|---------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| - | 3/5/72        | 1 PM       | 0.1 mg  | N.E. |                                                                                                                                                                    |
| - | 3/10/72       | 6:30 AM    | 0.2 mg  | N.E. |                                                                                                                                                                    |
| - | 4/2/72        | 11: AM     | 0.4 mg  | N.E. |                                                                                                                                                                    |
| - | 4/9/72        | 10:30 AM.  | 0.7 mg  | N.E. | (slight headache next AM - wine?)                                                                                                                                  |
| - | 4/16/72       | ~ 10 AM.   | 1.1 mg  | N.E. |                                                                                                                                                                    |
| - | 4/22/72       | ~ 10:30 AM | 1.6 mg  | N.E. |                                                                                                                                                                    |
| - | 6/20/72       | 8:30 AM    | 2.2 mg. | N.E. |                                                                                                                                                                    |
| - | 10/1/72       | 10:50 AM.  | 3.0 mg  | N.E. |                                                                                                                                                                    |
| + | 10/15/75      | 8:35 AM    | 3.0 mg  |      | A very slight unworldly feeling at roughly 2-2 PM (6-7 hrs into it) and was thoroughly manic all day. Probably N.E. felt in even, flat, ill-at-ease all day - N.E. |
| ± | 11/14/75      | 10:15 AM   | 4.0 mg. |      | 2 PM some unwell - as if a slight effect was stretched out over the whole afternoon                                                                                |
| ± | 11/29/75      | 10:30 AM   | 5.5 mg  |      | at 10:20 [11:30] an intenseness of some overfocusing threshold. - strange threshold through 1 or 2 PM [4:00 - 5:00] - no after effects - quite willing to go on.   |
| + | 2/15/75 (76?) | 8:50 AM    | 6.5 mg  |      |                                                                                                                                                                    |



SUBJECT

Optically Active Dom

BOOK NO.

L-(-) DOM

L(+) DOM.

3/29/72 10<sup>30</sup> AM 0.15 mg - pressures in chest (as inhibition-like) at ~5 hrs - no effects.

4/4/72 10<sup>30</sup> AM 0.3 mg - maybe slight wiley? - no effects.

4/14/72. 9<sup>40</sup> AM - 0.5 mg - fully stoned & a mg of Dom - lunch & BRIAN - afternoon & the throw away with CAROL - mani - a trace of time shown - but otherwise full hysteria - COLIN - overhearing a comment from me to JANET - She has an acute hearing, if nothing else - CAROL is loose here - Comments with DICK - the certain comment clearly the 1.1 mg of Dom & the needed stenography had! - some mydriasis - pretty much clear by early evening.

3/31/72 10<sup>30</sup> AM 0.15 mg NE.

4/11/72 1<sup>30</sup> PM. 0.3 mg NE

4/17/72 9<sup>40</sup> AM. 0.6 mg NE

5/30/72 10<sup>30</sup> AM. 1.2 mg. in middle of afternoon - extensive diarrhea - late PM - both grinding - these! absolutely no central turn-in however. NE. cal. chm. lib.

5/4/72 11:45 AM. 1.7 mg. N.E.

8/10/72 11:45 AM. 2.0 mg (new solution) N.E. (pulse ~200 PM 5<sup>00</sup> - that's all.

8/21/72 11:30 AM. 2.6 mg - I feel that there were cat skin - some mydriasis, some pulse and signs of blood pressure? - teeth rubbing - but still no turn on whatsoever. Hold up Nature paper for me we try & actual dynamic measurements.

24 STRAY - friend & ne. at x mg (+) STP on next day had severe Rx & poor hashish. See comments on N-Me DOB p 208

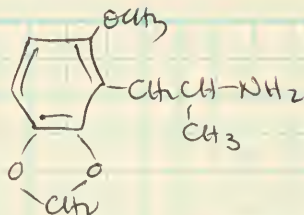
ex. BU

BOOK NO.

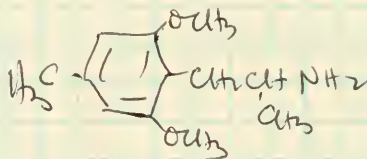
JECT

MMDA-5

DATE



BU active, at about 30 mg orally. modestly  
active - not too pleasant. - he equates qual. to MMDA-3a (late 1972)  
Cl (per BU) 15 mg - no report.



Active at 3-5 mg orally - equivalent to 1-2 mg of DOM.  
See page 190 for my own essay.

March 12 1974. ATB

2.2 mg. (9:40 AM.) By 12:50 light-headed - between 2 PM to 5 PM  
increasingly wound up (wame, intox) 5-8 - 2 martinis & dinner  
at Ceph's - (wine, a little - taste awful) - couldn't drink much -  
Whisker's Trial to 11 PM - couldn't sleep 12-4 AM - then ext  
ref. AM - no hangover. Clear threshold at 2.2 (50 DOM at  
1.0)

1 DOM = 80 M.U.  
DOBH = 36 M.U.

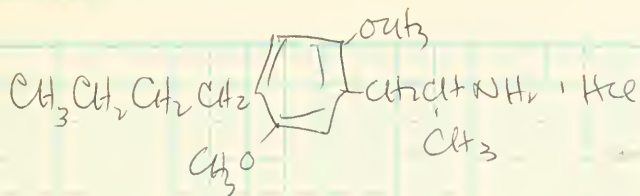


SUBJECT

DOBU

BOOK NO.

DATE



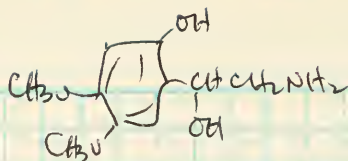
- Jan 21, 1973 ATB . 0.025 mg (12:00 noon) - N.R.  
 Jan 25, 1973 ATB . 0.05 mg (6:30 AM) - N.R.  
 Feb. 10, 1973 ATB . 0.10 mg (9:00 AM) - N.R.  
 Feb. 21, 1973 ATB . 0.20 mg (8:00 AM) - N.E.  
 March 26, 1973 ATB . 0.40 mg (9:30 AM) - N.E.  
 April 27, 1973 ATB . 0.65 mg (7:45 AM) - N.E.  
 May 22, 1973 ATB . 0.80 mg (8:00 AM) - N.E.  
 May 29, 1973 ATB . 1.10 mg (7:45 AM) Possible twinges at ~11 AM? N.E.  
 July 12, 1973 ATB . 1.4 mg (8:00 AM) Rather sweet?! After 2 glasses wine at 2 PM (late lunch) some time slowing - 3:05 AM's chapter went well 5:30 marital fun at cat for pot in greenhouse - easy intox & stop? Probably no effect, but if there is, slow meet. N.E.  
 Aug 18, 1973 ATB . 1.8 mg (7:45 AM) no breakfast, no booze, no effects.  
 Sept 3, 1973 ATB . 2.3 mg (11:10 AM) Careful - at 3-5 PM - rubbery teeth, uncomfortable paraesthesia - no mydriasis - no CNS effects at all - separate peripheral from central? Go slowly - No effects (central).  
 Dec 26, 1973 ATB . 2.8 mg (7:30 AM) - Nothing until ~3 PM. Some irritability - then rubbery - mydriasis - stimulation - but really quite clear - (Phone calls to Duke, Davis - but then the Dica-AD mixup) - still tight at 6 PM then wine (quite a bit) but never quite sloppy. I do believe this is peripheral stim. Was I more alert mentally? I doubt it. Let & completed the coke analysis & Fielded (almost) 3 Wagner flame structures. Go slowly. - Next day - depressed mood & feel most ill - did not sleep through night (dozed?).  
 In retrospect - that evening I drank much wine (to get to sleep) and I was in no way drunk! - was Am a "hangover" coupled & no sleep and in DOBU an anti-alcohol?

DOBU  
continued

SUBJECT

BOOK NO.

ATE



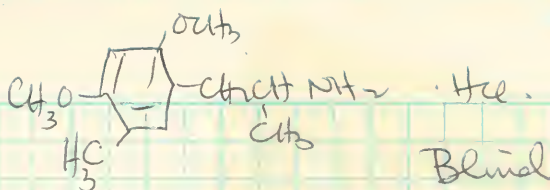
ex Chris

| Date    | amt.    | who | results                               |
|---------|---------|-----|---------------------------------------|
| 8/8/73  | 25 µg   | ATS | no effects                            |
| 8/11/73 | 50 µg   | ATS | no effects (solution slightly brown). |
| 8/18/73 | 100 µg  | ATS | 1130 Am N.E.                          |
| 8/30/73 | 250 µg. | ATS | 8:30 Am. N.E.                         |



BOOK NO.

## DATA



Also present:

DOM (H2L)  
amphetamine sulfate.

as F-310 - 20 mg no effects -  
Gwen

(code) ex  
Lynda

late aut

date amt

| date       | amt   |
|------------|-------|
| 12/12/2019 | 1000  |
| 12/13/2019 | 2000  |
| 12/14/2019 | 3000  |
| 12/15/2019 | 4000  |
| 12/16/2019 | 5000  |
| 12/17/2019 | 6000  |
| 12/18/2019 | 7000  |
| 12/19/2019 | 8000  |
| 12/20/2019 | 9000  |
| 12/21/2019 | 10000 |
| 12/22/2019 | 11000 |
| 12/23/2019 | 12000 |
| 12/24/2019 | 13000 |
| 12/25/2019 | 14000 |
| 12/26/2019 | 15000 |
| 12/27/2019 | 16000 |
| 12/28/2019 | 17000 |
| 12/29/2019 | 18000 |
| 12/30/2019 | 19000 |
| 12/31/2019 | 20000 |

**FOLDOUT BLANK**

A F310 100.0 mg

B d- 100.0 mg  
N[C@@H](Cc1ccc(O)cc1)C

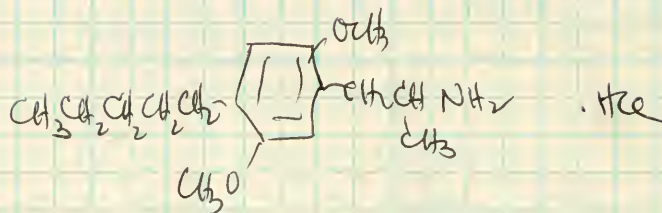
C  100.0 mg  
CN[C@@H](Cc1c(OC)c(OC)c(OC)c1)C

SUBJECT

Trials on DOAM

BOOK NO.

DATE

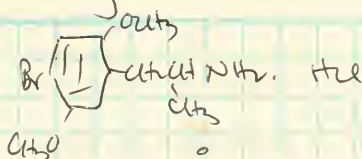


|                |          |     |         |                                                                                                                                                                                                                                                                                             |
|----------------|----------|-----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Feb 21, 1974   | 9:40 AM  | ATS | 0.6 mg  | minor irritability in PM - N.E.                                                                                                                                                                                                                                                             |
| Feb 28, 1974   | 7:50 AM  | ATS | 1.2 mg  | no effects at all.                                                                                                                                                                                                                                                                          |
| March 9, 1974  | 10:30 AM | ATS | 2.0 mg  | no effects.                                                                                                                                                                                                                                                                                 |
| March 27, 1974 | 10:30 AM | ATS | 3.0 mg  | Couldnt sleep midnigt → 5 AM. otherwise N.E.                                                                                                                                                                                                                                                |
| April 13, 1974 | 10:45 AM | ATS | 3.5 mg  | no effect (slept well).                                                                                                                                                                                                                                                                     |
| May 16, 1974   | 7:45 AM  | ATS | 5.0 mg  | possibly 10 AM - 11 AM speech mis-articulation<br>flew AM i.e. V.C. - was strangely witty -<br>"To climb walls takes great talent"<br>"Day of Great Expectations" - (array of legs & o's)<br>no sequelae - no trouble sleeping. Probably not<br>Threshold - try modest step forward however |
| May 27, 1974   | 8:30 AM  | ATS | 6.0 mg  | no effects - no problem sleeping. ∴ < 13 MU                                                                                                                                                                                                                                                 |
| June 5, 1974   | 8:30 AM  | ATS | 7.5 mg  | no effects. ∴ < 10 MU                                                                                                                                                                                                                                                                       |
| Aug 1, 1974    | 9:20 AM  | ATS | 10.0 mg | clear threshold. Quite gay &<br>voluble at lunch (Gledits + banana) and bubbled<br>into afternoon. 3-5 a little teethy -<br>some motor incoordination in writing -<br>strange teneness in driving home from<br>med center. much sherry & sleep somewhat<br>greatfully. but OK. 10 MU.       |



SUBJECT

## Optically active PBR -



(the "R" isomer was assigned  
to Br<sup>82</sup> i.v. & had identical  
body distribution to the dl.

"R" (-)

"S" (+)

- March 11 1974 0.10 mg ATS 2:00 PM no effect.
- ± 10/5/77 0.20 mg ATS 7:50 AM - at [3:00] a warmth  
and generalized clear feeling. - persists for a  
couple of hours - possible ±. no vesicles.
- ++ 10/21/77 0.5 mg 2:02 AM = [0:00] [1:30] read &  
underway [1:45] am at + me - clear & obvious -  
maybe ++ [4:00] smooth ++ with - largely window  
quite functional - but probably not drivable.  
[5:00] some drooping [5:30] drop quite quickly,  
to + or below [8] still aware [11] some awareness  
still [14] trouble sleeping - residual stain !. ++
- Aug 16 1975 0.10 mg ATS 11:30 AM - no effect.
- July 24 1976 0.20 mg ATS 10:30 AM - story at 2 PM? -  
no effects.
- 6/1/77 0.5 mg ATS 9:00 AM - 10:15? 11:00? no effects.
- 4/5/77 1.0 mg ATS 10:33 AM = [0:00] - something warm ±  
and nice at [1:30]? at [3:00] - still ? - if so, is very  
slight. [5:00] nothing - ± at most

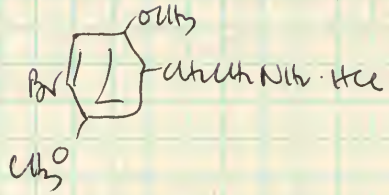
SUBJECT

Trials on 2-carbon PBR

(brown?)

(new brown?)

DATE



Letter from CH

- 1-5 mg i on MDA-let

action.

|                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| June 25 1974    | 0.5 mg | ATS (11:15AM) no effects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| July 9 1974     | 1.0 mg | ATS (9:00AM) no effects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sept 28 1974    | 1.6 mg | ATS (10:30AM) - aimed for dose in PM - light effects (?) 11:30-12? Trained paraesthesia. no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| October 13 1974 | 2.1 mg | ATS no effects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| October 20 1974 | 2.6 mg | ATS no effects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Oct. 26 1974    | 3.2 mg | ATS - possible mild enhancement of senses - swelled Jim's chewing gum at 20 ft. - Quite a bad mood in evening. Very depressed by the waste of time at Salento - Everyone wastes his life, etc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Nov. 3 1974     | 3.8 mg | ATS no effects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Nov 17 1974     | 4.5 mg | ATS (noon). Probable sensory sparkle in the hour. Remarkable outlet with bits of cheese, onir extremely enjoyable. Threshold? no after effects, certainly nothing abrupt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Dec 30 1974     | 5.5 mg | ATS (11:15AM) - threshold at ~ 1 hr. ate at 1 1/2 hrs - enjoyed - intense org at ~ 2 1/2 hrs - completely clear in 4 hrs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Jan 8, 1975     | 7.0 mg | ATS (8:15AM) Beautifully effective.<br><div style="border: 1px solid black; padding: 2px; display: inline-block;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">1:40</div> light-headedness noted<br/> <div style="border: 1px solid black; padding: 2px; display: inline-block;">1:00</div> coming on - it's step-wise building, but each step is easily handled (assimilated) in turn.<br/> <div style="border: 1px solid black; padding: 2px; display: inline-block;">1:15</div> getting quite exciting - all inputs at once and fun - piano - radio - telephone - typewriter.<br/> <div style="border: 1px solid black; padding: 2px; display: inline-block;">1:35</div> Isis leaves for town Marlon.<br/> <div style="border: 1px solid black; padding: 2px; display: inline-block;">2:00</div> to lab - good org. synthesize the proc 100 million spermatozoos; some girls some boys<br/> <div style="border: 1px solid black; padding: 2px; display: inline-block;">2:05</div> Eat a melting apple<br/> <div style="border: 1px solid black; padding: 2px; display: inline-block;">2:45</div> coming out quickly - regrets - would like to<br/> <div style="border: 1px solid black; padding: 2px; display: inline-block;">3:45</div> lunch, chess - cold sober - fully active. </div> |
| March 16, 1975  | 7.0 mg | ATS (12:10 - 4 hrs post administration). Almost nothing at 1:15 (elapsed time - maybe coming, maybe not; at 2:15 - a hr. of heavy nose - dryness in back of nose - maybe slight del                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

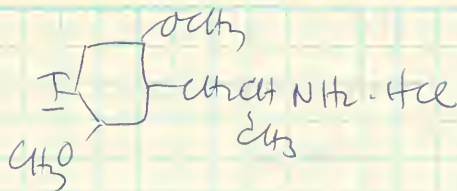


SUBJECT

Trials m 4-I

BOOK NO.

DATE



- July 1, 1974. 0.020 mg 1:00 PM ATS There was almost some tooth-rubby-  
at about 2:00 - beer & lunch - then  
no effect - go a bit slowly.
- July 4, 1974 0.040 mg 10:50 AM. ATS No Effect.
- July 11, 1974 0.065 mg 8:35 AM ATS No Effect.
- Aug 8, 1974 0.10 mg 8:30 AM AB. General stimulation in P.M., but  
heavy exposure to I<sub>2</sub> - no effect.
- Sept 7, 1974 0.175 mg 10:00 AM ATS no effects
- January 10, 1975 0.25 mg 9:55 AM ATS no effects.
- + Jan 28, 1975 0.40 mg. 10:15 AM ATS. 2:30 (12:45 PM) very lightly spaced  
reaction 5:30 still lightly spaced - getting a bit done  
5:45 (4:00 PM) a bit more! a trace of tooth-rubby  
10:45 (9 PM) try to soften & burp - no intake - no sleep. O.K. cat naps at  
last - repeat old CIA dream - AM - OK - no forced by for lack of sleep. Is  
this a feel that is a sense blockade? - note & re-2 center of Jan 11, 1975;  
the no-burp effect - the no-sleep effect?
- + April 29, 1975 0.60 mg 9:30 AM ATS 3:00 nice spaced light-headedness -  
clear threshold. 4:00 still light-headed. time moving slowly.  
5:00 (2:30 on desk) still there - slow turn of farm - sad reminiscences -  
at lower house (vocally pleasures now gone) - Joe's earlier days (high-  
school teen - "bit we a few" - I see the area - farm - getting old around me -  
I just can't do it all, and no one else cares. Will I be allowed to be here  
when I am older. 7:00 Things seem to be becoming back-to-present.
- # Aug 18, 1976 0.40 mg, 16 µCi <sup>131</sup>I. 11:35 AM. could kid myself at 3:00 PM. okumia - n.e.

~ April 1975 7.0 mg ATS Third try: 10:AM 10:00 (10:10 in kitchen clock)

1:15 light-head 1:40 pleasant high - I can explain earlier  
contradiction - I was looking for the wrong thing.

2:10 full pleasure of everything - 3:00 - gone, largely.

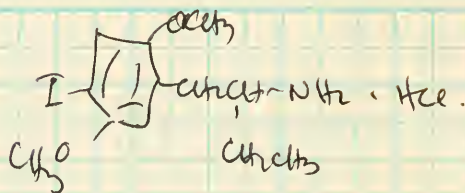
Oct 24 1976 8.0 mg ATS (2:10 PM to 10:00) 0:50 1<sup>st</sup> hit 1:05 slight 1:10 very gradual -  
no eye-throw 1:30 up to 10-20% "window" effect of MDMA - slight edge effect loss.

2:05 mistakenly out - little effect overall - yesterday was 100 mg MDMA - perhaps  
now tolerance?

continue on back 204

SUBJECT Acute Trials

DATE



|                 |          |     |                                               |                                                                               |
|-----------------|----------|-----|-----------------------------------------------|-------------------------------------------------------------------------------|
| August 23, 1974 | 10:40 AM | ATS | 0.5 mg                                        | no effects.                                                                   |
| Aug 26 1974     | 9:30 AM. | AB  | 1.0 mg                                        | mild tremors in p.m. - no effect.                                             |
| Sept 2 1974     | 11:35 AM | ATS | 2.0 mg                                        | no effects.                                                                   |
| Sept 27 1974    | 8:45 AM  | ATS | 4.0 mg                                        | no effects.                                                                   |
| Aug 11 1976     | 11:25 AM | ATS | 4.7 mg (12.4 $\mu$ <sup>131</sup> I labelled) | almost none to the brain. Liver, gut has all. Body load - no central effects. |

Comparison of Phenethylamine  
acid to phen with Cofactor





SUBJECT

## Acute Trials.

See earlier  
notes re. 1964-S 2pts  
on page 94.



2-C-DOA!

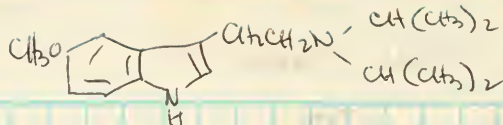
yes - 10, 25mg  
Nov. 26, 74 -  
2mg - No Effects

Nov 26 1974 -

One trial at, I believe, 2 mg was made, in  
late Nov or early Dec 1974 - cannot find notes.

- Dec 21 1974 12:00M ATS 2.5mg. no effects.
- Dec 26 1974 2:15PM ATS 4.5mg no effects.
- ± Jan 3, 1975 9:15AM ATS 6.0mg - a bit of threshold temporal  
pressure at 1-1 1/2 hrs - nothing at 3 hrs.
- Jan 11, 1975 9:05AM ATS 8.0mg no effects - note 4-I 1/10/75 tachyphyl?  
± Jan 24, 1975 10:50AM ATS 8.0mg after > 1 week drug free - slight coming  
on at 11:45 - certainly clear by 1:00 - not noticeably  
different than the N.E. of 1/11/75. advance to 10mg  
without - then with ~15 hr preheat c 4-I.
- ± February 6, 1975 9:55AM ATS 10.0mg slight teeth, slight throat dryness  
at 12:30 - stim. c long - certainly out at 2:00PM. N.E.?
- ± February 16, 1975 10:00AM ATS 12mg: at 11:00AM (1hr) a wee bit - if this is all, I  
am disappointed that it was only 12mg. Very slight  
effect from 1-2 hrs. that is all.
- ± February 23, 1975 8:00AM ATS 15mg in an hour or so - a slight effect - that's all.
- ± August 19 1975 11:00AM ATS 15mg - slight effects, 1-2 hrs.
- ± Dec 15, 1975 10:30AM ATS 15mg - slight if any effects 1 1/2 - 2 hrs.
- + Nov 26, 1976 9:40AM ATS 20mg. - at [0:50] maybe slightest effects. [1:30] I  
seems to be a little spacy - I can focus on whatever I wish  
to. [2:00] decide to focus on chemistry - and that pretty  
much ends it all. Substantially no effect.
- date - 1976? Gray 15mg and 20mg - few hrs - agree c bit c CH letter 1/4/77
- ++ 6/6/77 9:03AM [0:00] [1:40 - 1:00] develops to a somewhat brittle effect [2:00] + or ++ stoned -  
[25mg?] Sensible - not nearly the fun of MIDB - [5:00] out - ++ OK. I  
do not find this useful or instructive - shallow & brittle.
- + 5/18/78 7:00AM [0:00] 20mg [0:40] something very subtle starts (1:00) a subtle + one  
basically nice - I wish it were more intense (1:20) very real  
+ - intense ej!! (1:35) between + & ++ but I can do anything  
I wish to. So, chop weeds - drift back uneventfully.

SUBJECT



BOOK NO.

HCL

DATE

S-0013 DIPT

- June ~ 4 (Thursday) 1975 8:45 AM. 1.0 mg no effects.
- ± June ~ 10 (Tuesday) '75 10:30 AM. 1.8 mg Visited AD at Dow - bridge at ~ 1200 with noticeable tremor - hand shakes - poor bridge. dilation? prob. no effects.
- June ~ 28 (Sat.) 1975 10:10 AM 2.5 mg slight teeth-rubbing - no effects.
- + July ~ 17 (Wed.) '75 10:40 AM 3.2 mg real threshold - or a bit more!
- real time  
[0:20] mild light-headed - nice  
[0:30] light intox. very nice - look forward to more.
- [0:50] walked out to mail. gentle sparkle and compelling amazement at my hands - quite apart from me - sensory anaesthesia? - a warm, friendly, allied world about me.
- [1:30] signs of drooping  
[1:35] 31 - magnificent -  
[1:45] (12:25 PM) definitely drooping off - slight residual tooth-rub.
- [3:05] drove well - completely out.
- ++ July 30 1975 (Wed) AB. 9:30 AM. 4.0 mg. real time [0:00] real effects.
- [0:25] Knees a bit wobbly - something is happening -  
[0:35] orgasm-like feeling on face, in eyes, at temples - erotic!  
[0:55] spaced - completely delightful - some light flickers (above base line of sight) - enjoy play w words. light lighting etc.
- [1:10] Heavy flamed - strong startle Rx - MDMA-2 info! 209 = 209 am I past peak?
- [3:00] completely out.
- + August 27 1975 10:15 AM. 5.0 mg [0:00]
- [0:15] light of head? dry of nose? psychosomatic  
[0:20] slight muscular shakes  
[0:23] on it comes - nice  
[0:30] full. slight dilation  
[0:50] whatever I want to attend to, is fully amplified. I keep moving about with my eyes, ears, senses, to see where they will alight. Music, a symphony from a 3" speaker is artificial - the piano (real) is excellent
- [1:15] maybe down a bit. JOE came, wanted 50 ml H<sub>2</sub>O - handled well. [2:00] subliminally out.
- +++ Sept 3 1975 9:30 AM 6.0 mg. - notes on page 191 continued p. 213

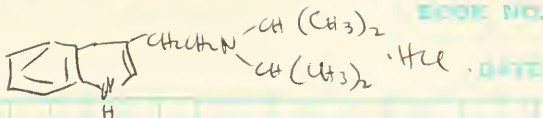


SUBJECT

BOOK NO.

DATE

DIPT.



- ± July. 9 1975. ATS. 10:30 AM. **10.0mg** Threshold. Clear dilation -  
much tooth rubbery - 1 hr ↑ 2.5 hr ↓.
- + August 3, 1975 ATS 9:50 AM. **14.0 mg** - More than threshold -  
**0.30** teeth rubbery - some effect.  
**0.50** not light head, but light body. From here to about **1:30** a  
strange trip = my mother's writings - mom-sor - dialyze - lunch  
finally at 12:00 and this. **2:10** still a little unreal -  
not the 5-028 erotic - but some real effect. Up again, but slowly.
- 3U report late 1972 - 25mg orally → visual change in films, not color - 1 hr  
of it is like acid, and in three hours it is over.

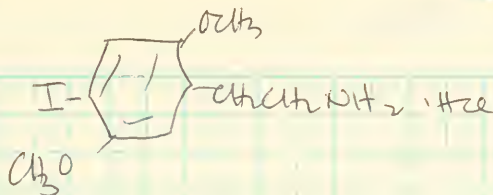
- ++ Nov. 9, 1976 ATS 4:00 PM. **18mg** [0:00]. Mild effects noted at [0:00-1:20] easy euphoria.  
[1:30-2:30]. Remarkable changes in sounds heard. 1515's voice is bass - like a  
cold - my ears = sl. pressure as if the ~~set~~ ear-tubes clogged but they ain't. Radio voice  
are all low - music out of key. Piano sounds like a bar-room disaster. Cannot  
count on auditory feedback to play. The telephone sounds partly underwater.  
No - sounds at 2 levels. [3:40] I think music pretty much normal again -  
virtually no other effects. Certainly clear at (6:00) - probably much earlier.
- ++ April 7, 1977 ATS 9:20 AM **24 mg** [0:00] - at (0:20) saw slight change [0:35] first signs of  
pitch change on radio - hard writing very poor [0:43] in lab - music deteriorating - & I  
cannot measure rate of drug effect - as there is absolutely no window [0:55]  
absolute pitch down a major third - chord on piano sounds out of tune, quite  
flat - and when struck, tends to drop and then waver in pitch - terrible  
[1:30] good - music extraordinarily and unmistakable - [2:00] middle notes -  
(G above C to E above C above C) have glaucous shell after-sounds - nowhere there  
here - and on to [3:40] when there is some straining out - were the other senses  
in any way affected. [5:00] sounds returning - in a quiet environment there are  
absolutely no effects of any kind. If I were deaf this would have been an  
inactive dose. How many other drugs have I given a (-) to because I did  
not know where to look! [7:20] - hearing normal. piano back in tune. ++.





SUBJECT

DATE



2-carbon  
DoI  
4-I

Jan 28 1976

10:55 AM ATS 0.5 mg no effect.

3:55 PM ATS 1.0 mg (4.2  $\mu$ C <sup>131</sup>I) no effect.? Dave 2.0 mg (7.5  $\mu$ C <sup>131</sup>I) no effect.

- 1/29/76

± 1/30/76

10:20 AM ATS 5.3 mg (20  $\mu$ C <sup>131</sup>I)

Pharmacology: distinct threshold - pains lessen to 12 N but ~11:30, in French prelude sight-reading - things get strange - driving back to U.C. needed care. Body scanner all tied up by Larry. back in at 2:30 for scan. All effects gone by then.

Radioautography - 22 mm scan (1/2) - 44 mm scan head & Harvest  
Right hand contamination → ~0.2  $\mu$ C internal standard.  
based on this. load % of 20  $\mu$ C.

|                 |       |       |
|-----------------|-------|-------|
| hand            | 0.2   |       |
| brain           | ~0.02 | ~0.1% |
| thyroid         | ~0.05 | ~0.2% |
| salivary glands | ~0.05 | ~0.2% |

Very fast excretion (with 1/28/76 run - 25% in 2.5 hrs, 50% in 6 hrs)  
(with 1/30/76 run - work up pooled & bar)

± 3/1/76 11:10 AM ATS 6.5 mg (0:00) at [1:30] slight light head. at most, a marginal threshold

8/2/76 6:30 PM ATS 8.0 mg (0:00); [1:40] "eyes out of focus" - coming on - some

± (+) dryness in throat-nasal area - [2:00] - still finding humor in everything - but teeth rubbing - nose "snorty". [2:30] some retinal blurring - ripples in pants leg (in near darkness) can be put into ripples by twitching thigh - but even now - effects wearing off. real threshold. Am willing to try a little higher.

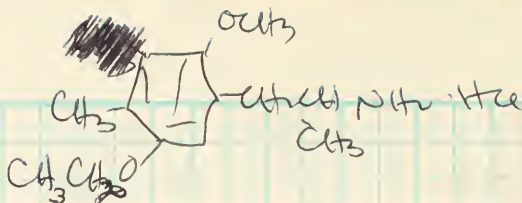
++ 11/28/76 10 mg ATS 10:15 AM - [0:00] at [0:40-0:50] feeling of filters being pulled over the ears. [1:10] more so - no hint of window [1:35] some clouding of vision - this is not the 4 Br 2 carbon in any way - I am in a not-to-sensible stoned state no earmarks to locate effect - basically I don't like it - being psychoto-mimetic without a sense or virtue to point to. [5:00] completely back together again. I feel I am insensitive - someone else might find this most disruptive. On  $\bar{c}$  case, or in someone else.

Animal aside - rats  $\bar{c}$   
Dave & Edward 50  $\mu$ C / 11 mg  
<0.3% thyroid  
55% in gut.

SUBJECT

BOOK NO.

DATE

IRIS

- 3/13/1976 11:25 AM. ATB 0.1 mg no effects
- 3/16/1976 10:45 AM ATB 0.2 mg n.e.
- 3/19/76 10:30 AM. ATB 0.4 mg n.e.
- 3/21/76 11:15 AM. ATB 0.7 mg n.e.
- 3/23/76 11:30 AM. ATB 1.0 mg n.e.
- 3/28/76 11:00 AM ATB 1.6 mg n.e.
- 4/8/76 10:00 AM ATB 2.5 mg n.e.
- 4/11/76 11:15 AM ATB 3.5 mg n.e.
- 4/16/76 10:30 AM ATB 5.0 mg n.e.
- ± 4/24/76 10:10 AM ATB 7.5 mg Threshold at 1:30 [3:20] and in an hour [4:30] all over. Completely believable - try next at 9.0 mg.
- ± 5/2/76 11:15 AM ATB 9.0 mg slight toothrub [4] light headed [5:00 - 6:00?] little effect any.

I have read pages \_\_\_\_\_ to \_\_\_\_\_ in  
 notebook and understood their contents.  
 There are no blank pages, except  
 All entries are in my handwriting.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

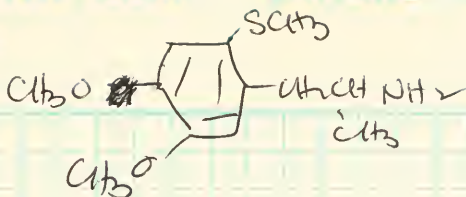
Signed: \_\_\_\_\_ Date: \_\_\_\_\_

SUBJECT

BOOK NO.

ORTHO DOT

DATE



- |   |         |                 |     |        |                                                        |
|---|---------|-----------------|-----|--------|--------------------------------------------------------|
| - | 3/17/76 | 11:45 AM        | ATS | 0.1 mg | no effects.                                            |
| - | 3/20/76 | 10:30 AM        | ATS | 0.2 mg | n.e.                                                   |
| - | 3/25/76 | 11:30 AM        | ATS | 0.4 mg | n.e.                                                   |
| - | 4/10/76 | 11:00 AM        | ATS | 1.0 mg | n.e.                                                   |
| - | 4/17/76 | 12:10 AM (noon) | ATS | 1.6 mg | n.e.                                                   |
| - | 4/21/76 | 10:40 AM        | ATS | 2.5 mg | n.e.                                                   |
| - | 4/30/76 | 11:30 AM        | ATS | 4.0 mg | n.e.                                                   |
| - | 5/10/76 | 12:20 (noon)    | ATS | 6.0 mg | n.e.                                                   |
| - | 5/17/76 | 10:40 AM        | ATS | 10 mg  | n.e.                                                   |
| ± | 8/20/76 | 2:45 PM         | ATS | 16 mg  | (maybe was sl. spaced 5-7 PM, mostly. Maybe not. n.e.) |

← 4/1/76 0.8 mg 10 AM n.e.

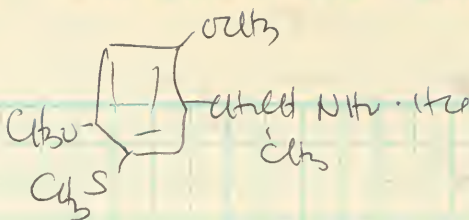


SUBJECT

BOOK NO.

METADOT

DATE



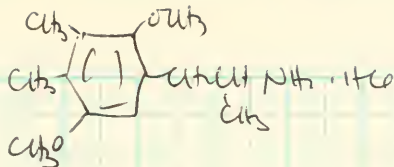
- 3/18/76 10:15 AM ATS 0.1 mg no effect.
- 3/22/76 11:30 AM ATS 0.22 mg n.e.
- 3/28/76 11:15 AM ATS 0.50 mg n.e.
- 4/9/76 10:30 AM ATS 1.0 mg n.e.
- 4/15/76 3:30 PM ATS 1.6 mg n.e.
- 4/19/76 11:10 AM ATS 2.5 mg n.e.
- 4/26/76 10:30 AM ATS 4.0 mg n.e.
- 5/3/76 10:15 AM ATS 6.0 mg n.e.
- 5/14/76 12:55 AM ATS 10. mg (new soln.) n.e.
- 5/16/76 11:00 AM ATS 16 mg (weighed) n.e.
- ± 6/22/77 10:30 AM ATS 25 mg {1:15} extremely thin threshold? {5:00} still a little raw neurologically.  
 Some sense-darts now and then. {8:00} all clear. at work, ±



SUBJECT

BOOK NO.

DATE

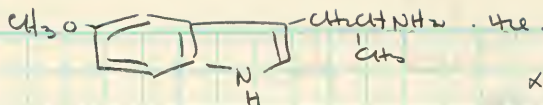


GIVEN BY

- 4/6/76 2:00 PM ATS 0.1 mg w.e.
- 4/18/76 11:00 AM ATS 0.25 mg n.e.
- 4/22/76 10:15 AM ATS 0.5 mg n.e. (starving at ~ 3 PM?) n.e.
- 5/1/76 10:50 AM ATS 0.7 mg n.e.
- 5/6/76 11:00 AM ATS 1.0 mg n.e.
- 5/12/76 11:45 AM ATS 1.2 mg n.e.
- ± 6/11/76 8:30 AM ATS 1.6 mg possible threshold - dose taken unfortunately within an hour of breakfast. (2:00-2:30) slight unworldly. still there at 4:00. effects?
- 6/27/76 10:25 AM ATS 2.0 mg probably n.e.
- 7/7/76 12:00 noon ATS 2.9 mg (eat lightly 12:45-1:15) - 4 PM sl. humid feeling? n.e.  
(P.S. - unable to get to sleep that night until 3-4 AM - next day - several light-headed moments - take a no-experiment break of several days - 7/9/79 - no residue - n.e.)
- 7/22/76 12:00 noon ATS 4.0 mg - slightly harsh - bottle in afternoon, n.e. - no after effects in next day. n.e.
- ± 8/4/76 11:20 AM ATS 5.0 mg - some mild threshold 1:30-1:45? disaffirmated there was none. n.e.
- 10/2/76 11:30 AM 6.5 mg - afternoon "w.z" - slight if any effects. n.e.
- ± 11/13/76 2:30 PM 8.0 mg - (turning slightly pink) - maybe some slight sturriness at 6:00-8:00 (~ 8:00) while practicing piano. maybe not. probably no effect. no difficulties sleeping - no next-day effects.
- 7/31/77 10:30 AM 14 mg - a tinge of paresthesia at (2:20) that was all - (-).

SUBJECT

DATE



X-O Dimethyl serotonin

- May 4 1976 10:00 AM ATS 0.1 mg n.e.
- ± May 8 1976 4:25 PM. ATS 0.2 mg something slurry - ~8PM? no. n.e.
- May 11 1976 10:10 AM ATS 0.4 mg n.e.
- May 19 1976 10:40 AM ATS 0.7 mg n.e.
- + June 1 1976 10:15 AM ATS 1.0 mg threshold !!! First afferent at 11:15 - 11:30  
a very light unworldliness - on through Lori's seminar in the  
old clinic bldg (12-2) with a completely spacey afternoon. Still odd  
at 3:00 PM 4:45 - quite bloated, little urination. In PM (10 PM)  
clearly out but a fragile frontal headache - still little urine.
- + June 13 1976 10:40 AM ATS 1.3 mg 1:00 - 1:20 (11:40) some stomach cramps, alternating  
± slight light head. 3:00 nicely stoned - no question - drift on through  
afternoon - water grabs - no profound things. no headache - urine seemed OK.  
not as much effect as the 1.0 mg dose? This is quite long-lived.
- ± Aug. 7, 1976 11:15 AM ATS 1.3 mg - perhaps slightest threshold during afternoon. n.e.
- Aug 25 1976 1:00 PM ATS 2.0 mg - (2 hrs following my 5-outs DMT study) - (2:00)  
ej + 2,3 after stroke - (2:30) believable something - almost like residue of  
5-outs-DMT. (3:00 - 4:00) heavy diarrhea - slight effect in sun.
- + Sept 1, 1976 11:00 AM. ATS 2.3 mg - to verify threshold away from 5-outs DMT. (0:00)  
(1:25) - no question - really turning on (2:30) Still no question. - but what is to be seen  
(3:00) - thorough diarrhea - clearly (mentally) an ASC waiting for some sensory, or  
perceptual, or conceptual event to occur.  
(3:30) a little of the DMT yellow-filth.  
(5:30) clearing - in retrospect, I don't know what it was all about - it was as if I  
was in a state of preparedness (≈ a plate of skulls open) waiting to provide nutrition  
to whatever was to be introduced into it. But there was no inculum. I didn't  
contribute my share. Is this why DMT is so many things to so many people? A  
good argument for threshold being a better measure of drug potency than full  
dose.
- +++ Sept 10, 1976 10:45 AM. 3.0 mg Full active dose - see page 196 for details.

Studies continued on p. 252



SUBJECT Qualitative Description. TMA-2

BOOK NO.

DATE

12mg + 1mg = 13mg TMA-2 Sunday May 30, 1976: 11:40 = 0:00 - no effect for 5 months -

12:00 Onset of first threshold effects - slight nausea - probably coincidence - but numbness of 4-5<sup>th</sup> fingers of left hand (see 1<sup>st</sup> trip!). But these fingers have been troublesome (left hand too) and are often asleep on awaking in mornings -

3:00 Really pleasant, with native euphoria. Sat behind lab on steps in the sun. Now often I have been apprehensive in a drug essay that some emergency or other crisis might occur requiring some logical action, and would I be able to respond adequately - but I have realized that if a fair, strange person, wise - were to weaken - then, and only then, do I need to consider the situation - so - until then enjoy - I did.

This was in especial contrast to yesterday's study in DMT - perhaps I was so attentive to the possibility of some falling-down-stoned response, that I neglected to be receptive to a true altered state of consciousness - without perceptual change, without perturbations in time, without the LSD upset or the DMT physical aspects.

I am completely convinced I would be able to handle 16 mg by myself and this as a full dose would quite accurately be 20 M.V. (with mescaline at 300 mg base - say 320 mg = exactly 20 M.V.). However, I would not care to pretend to be responding normally to a demanding world.

5:20 Still with it. Tried to elicit visual distortion by going (1<sup>st</sup> time) into Cort plus inputs in W. Creek. No such induction. Did a rather bad job of driving however. Had to pretend distractions. To "All The Presidents Men" - with no clear visual distortion. I MUST REMEMBER - an ASC need not have visual distortion as a symptom!.

8:00 Drove to Berkeley Farms for dinner 2 D & her mother. Still odd driving which W. commented on (what is the matter with you?). I had forgotten where the place was! - clearly emerging - on into evening without further events except a light sweatiness 10:00 - 12:00. Difficulty (mental disturbance) in going to sleep.

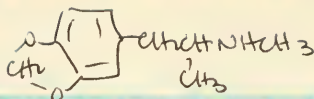
This is a clear ASC process - perhaps valuable to describe (display) to a subject what this all is - without some annoyed sensory modality demanding attention by misbehaving. Intensely day!! -



SUBJECT

N-Me MDA - MDMA

DATE \_\_\_\_\_



~ 1975 Marty - reports considerable amphetamine-like content.

2 other people, not ++ in scale of +4. - one is AMOSel thick.

~ 6/30/76 100mg Frédo (+2) Rapid onset in ~ 1 hr - lasts to 3 then drops off quickly - mydriasis persists to 4 hrs. 2 ocular eversions and basically good reaction by all three. Little detail -

→ 9/8/76 116 mg HTS 11:30 AM n.e.

9/9/76 25 mg ATB 7:20 PM. n.e.

→ 6/12/76 40 mg <sup>δ</sup> ATS 2:35 PM. n.e.

→ 9/17/76 20 mg<sup>0</sup> ATS 12 noon. n.e.

→ 9/27/76 81 my AFS - 10:22 AM. [0:53] smooth  
shift into light intox. [1:16] distinct - almost early-  
alcohol-like intox. [1:38] am I past peak -  
coming down already? yes! [3:00] out.

→ 10/15/76 100 mg ATs [0:35] first awareness - smooth - very nice - I will be attentive to sensory changes (there are none) - looking forward & interest. I can and do quickly accommodate to this ASC. [0:45] still developing - but I can easily assimilate it as it comes. Under excellent control. [0:50] getting quite deep - but I am keeping apace. [1:00] well into it - but I am accommodated - piano went well - lots of time to search out correct notes - no mydriasis - no physical tax [1:30] from 100 → 50% starting to clear. [1:45] trial ext., ej. fine - rapid recovery [2:15] → 5% I am substantially out. 3:00 all out. I will try 125

→ 10/23/76 100 mg ATs (3:52 PM = [0:00]) [0:27] first slight hint [0:30] start [0:35] all of eyes & a bit of extra int. 15% - I might have said "I feel that drink". [0:45] at 40% I don't think I am suffering it - a real 40% [0:49] time slowed? [0:57] largely windows (80%?) [1:00] a little dilation - (1:3) complete windows - complete control nonetheless. [1:12] holding steady (1:25) Easy exte. - no need (ability?) of exertion [1:50] dropping? (2:00) down to 50% - sex & wine (6 PM!) extraordinarily pleasant - she turned in too! (this was my return day from Washington) (2:40) a few % left [3:00] out

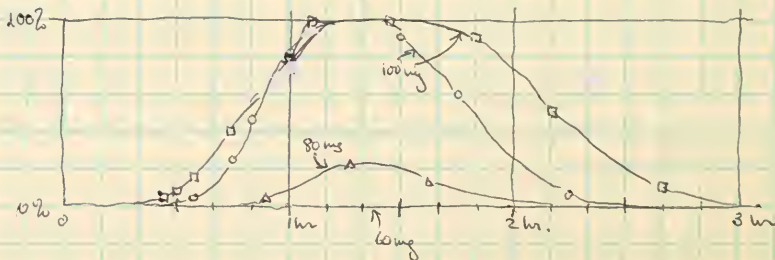
FLIP - on N-Methyls

2,5 DMA    245 TMA    246 TMA    MDA

30 my n.e. 30 my n.e. 30 my n.e.? 15 my n.e.  
120 my n.e. 30 my n.e.  
45 my n.e.  
60 my n.e.  
75 my fugging  
150 my active  
150 my active

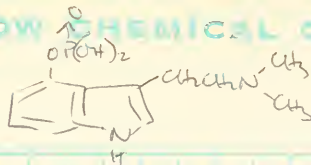
CB 175 mg - fine control -

TMA - (325)  
120 GA - n.e  
240 stone +



cont. p. 207

SUBJECT

BOOK NO.  
DATE  
Biloupsin

- 6/3/76 10:27 AM. ATS 1.5 mg. n.e.
- ± 6/8/76 11:55 AM. ATS 3.0 mg clear threshold - noted at [0:30] - slight shiver tingling - I think there will be visual events at somewhat higher doses - slow drop-off through afternoon - clear by [4:00?]. Proceed with interest.
- ± 8/10/76 11:30 AM ATS 4.3 mg [0:30] effects coming on. tingles, yawning. [1:00] - [2:00] very much like being with people - Patti at bank - search not Jackie - she had gone south again - stacks of library cold - waste of time (got a lot done) - still aware at [3:00] but all clears up promptly. Proceed with interest.
- ++ 1/14/77 5:10 PM Jan 14. Friday 6.6 mg ATS [0:40] 1<sup>st</sup> awareness - clear window effect - [1:00] eat full dinner - effects develop during the meal! Up to ~20% window some hints of animal faces in the fork-chop bones. No movement. [1:40] nothing flows, but it wouldn't take much effort. [2:00] drooping gently - only the slightest effects left. [2:20] out [2:40] out. The forth-coming 10 mg experiment should be a delight. But allow 'a day free for it. I would be completely unable to distinguish this, at 6.6 mg, from MDMA at 50 mg.
- ++ 1/20/77 9:45 AM Jan 20 10.2 mg Sunday Psop, ATS first plasma at [0:27] driving up 5% to clear a little window - not much more until [0:45] - coming on well - [1:00] comfortable in security of club library [1:45] - I can make the world move a little - but I can do that without drugs too. These little effects drift away over next couple of hrs.
- ++ 1/21/77 10:30 AM 10 mg Dave effects volunteered at just [0:30] (felt before) - overall ~80% of the 300 mg mescaline effect. - concurrent c my '4C mescaline #1.
- ++ 4/27/77 9:30 AM 15 mg [0:00] [0:16] 1<sup>st</sup> notice - "early-warning" system - I stay flat at this first level to about [0:25] - then it builds up. [0:27] I am awfully glad I have MDMA window knowledge - what is happening here to me, appears to be what others get on MDMA. [0:28] visual distortion - I can't find the cap to the pen - must I keep writing forever? At this point I couldn't drive - I couldn't even write! [0:36] - [0:57] wild development. Spinning in office moves up & down [1:00] he down c eyes closed - This is where it is. eyes closed → all wild imaging - still c eyes open if there is no visual input. a dark room or a fire in the fireplace in the middle of the night c no other input would be dramatic. eyes closed → body image in front of fire, and I can synthesize 2x removed a complete hallucination [1:45] try again. already passed the peak. no good. [2:00] to mail - this is a night-time drug - some movement, but daylight washes everything out. Warmth got it the proper way. [3:00] pretty much into muscles OK - timing OK. would I try a new experiment, say c LSD - OK but c reservations - [4:00] completely frank - no reservations. I had peaked within the 1<sup>st</sup> hour - and was definitely on my way down in the 2<sup>nd</sup> hr. The experiment above, at 1/21/77 - may have been unfair to Dave probably distorted his timing terribly.

28-77 interaction xpt. 10/8 mg  
night colored forms -



SUBJECT Qualitative effects of TMA-6. (ex page 150)

BOOK NO.

DATE

June 16, 1976 - 16 mg TMA-6 - 3:00 PM 2 hrs. P.P. time 0:00 1:30 maybe something.

2:00 still uncertain - something developing?

2:30 color interpretation wild - orange = origin - Red may be birth (blood, sunrise) - but orange precedes red - nuchthyrenes → amidebannins, brilliant chemicals in lab - outside world all blues and greens - alive - but already born (and certainly already long ago conceived) - and the earth browns and such are almost dead already. (3:30) sit behind lab - most pleasant mental wanderings - into forest & cat - lie in wooded sun so that leaf-shadow in wind flicks eyes - eyes closed glances - of light - color patterns weak. (4:30) eat dinner - just fruit salad - but - 'int are oranges! (luckily I didn't think of the Spanish translation of 'AC' - (a) = orange. (5:30) lum and a beer - just lightly stoned and washed I had paid more attention to the earlier effects - it is slipping. (6:00-7:00) practice (piano) vigorously - pretty much gone. (7:00) still a little teeth-rubby.

TMA-6

2, 4, 6 Trimethoxy<sup>phenyl</sup>propylamine

Fredo's notes from  
his file - 1966-67.

11.7 mg 10 Feb 66 4:00 pm (5 mg P. tal n at 3:00 pm - forgot what  
and taken the TMA-6)

5:30 7:30 pm (1 to 2 hrs) felt slight distortions of time.

one space, some enhanced emotional effect. No color enhancement.

Threshold only, and may have been enhanced by P. tal n.

18.3 mg 1 Mar 66 5:00 pm

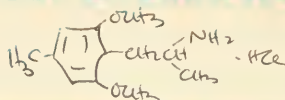
1/2 - 1 hr slight pronounced effects - greenish, orange

3-5 hr Peak of effect. Some perceptual distortion, color  
enhancement, but not much. A little dizziness - to be noted





SUBJECT



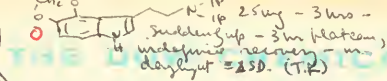
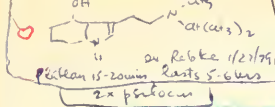
BOOK NO.

Z-7 ?

DATE

(see page 146 for BV comments).

- 7/6/76 11:35 AM ATS 1.1 mg no effect.
- 7/10/76 11:20 AM ATS 1.8 mg [1:00] eat lt. lunch [2:10] couple of lt. headed twings. n.e.
- 7/14/76 11:00 AM ATS 2.0 mg n.e.
- 7/20/76 11:15 AM ATS 3.0 mg [1:15] eat [4:00] - some odd awareness? - motion in or around xerox machine? - certainly nothing at [6:00] - n.e.
- 8/4/76 1:25 PM ATS 4.0 mg [1:05] eyes unfocus? slight y any - curious to go on by [2:00] nothing. n.e.
- ± 8/15/76 12:00 noon ATS 5.5 mg [3:00-4:00] maybe slight muscular irritability - nothing central at all. [5:00] slight teeth rubbing, anoxia? [7:00] - nothing. I imagined it all n.e.
- + or ± 8/29/76 11:15 AM [0:00] ATS 7.0 mg [0:55] twinge in skins [2:30] more or less continuous threshold (2) - speculate what 2nd dose would have done! [3:15] sound diarrhea and generalized bowel signs - paraesthesia - a nice apprehension. [5:00-6:00] things might still crawl! [7:15] I could not myself that the typewriter keys were crawling. It is now midnight [12:00] and I am unsure that I am yet out of threshold. - go up with interest, but prepare for a long day. n.e.? possibly threshold? - probably threshold!
- ± 9/6/76 10:30 AM [0:00] ATS 8.0 mg [2:15] most gentle of thresholds - that all [4:30] same [8:30] gone.
- ± 9/14/76 10:55 AM ATS 10 mg (50:50 didantol) - maybe light light-headed threshold. nil. n.e.
- + 10/27/76 10:00 AM ATS 14 mg. [0:00] [1:30] a little shawny. [1:45] to lunch - I am in a threshold - talk volubly c. Jill all afternoon - real threshold to [6:00] able to drive home (photohubris from eye infection) - I can easily go from one train of thought into thin air - I must, to get to another, logically force myself to choose my words - I ~~would~~ would have liked to have been alone on the farm. evening french lesson excellent [9:00-12:00]. The threshold lasted from [1:45] to about [8:00]. No trace of MDMA window!! This is an interpretive drug, not an ASC window! I must repeat and compare directly against recent STD, DOET. There might have been "unmet" effects even at 7 mg.
- ± 3/18/77 10 mg 9:33 AM [0:00] [2:00] suppressing something? - all afternoon - some jaw tight? only status n.e. - at [24:00] - still a little pop-eyed! - but no trouble sleeping.



## N-alkyl tryptamines

Acad: BG - late 1972.

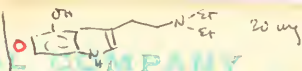
S.E.B.



S.E.B.



S.E.B.



faster - perhaps less potent response than placebo



less effective than diethyl - not better with the N-Prp.



rapid onset - ~1 hr. abrupt termination at 2 hrs. most pleasant



> placebo all ex Refko - 1977

active at 2 mg (?) smoked.

active at < 10 mg smoked, pleasant

active at (?) 5 mg ORALLY.

see 46

other notes - 417

+++ Chronology on 5-methoxy-N,N-diisopropyl tryptamine. See page 176  
ATS - Sept 1975 - 6.0 mg at 9:30 AM = [0:00] distinct (and unpleasant) taste.

[0:16] maybe some muscle ataxia?

[0:20] real effects - so soon! - most pleasant

[0:25] radio describes Ford & Fun (Fund?) ravers - and that's the news! E.g. 1-wild

[0:42] extremely strange - can't put name to it - into garden - pull weeds with great significance to each weed - MS-cat joins me - understands - back to lab

[1:15] at lab - the radio goes on - profound, fund, funny, profound, profane, refrain

[1:30] I have found the name of the actin - LSD! - there goes my no-al martini - maybe another alkyl chain on the N. Out for mail - weird people at entrance - car has stereo going with Sitar music?? - it sounds that way - tempted to go on around up hill, but scared of highway it's a long long way from parking spot to mail box.

[1:55] back to lab. - time experiment (try to show clock → success & radio pitch drops as well. Ineffective in trip on radio. Clock 2<sup>nd</sup> time OK.

[2:00] E.g. 2 - ok - miffingly enjoying the state - would hate to have to attend to anything serious or logical.

[2:40] time moves quite properly now

[2:45] rapidly coming out - and all is OK. It is only 12:15 - quite a morning. All that within 3 hrs! +++

+ ATS Nov 5, 1976 4.0 mg at 1:00 PM = [0:00] to check threshold. [0:35] sl. aware - never more than threshold [2:00] clear +++

continued p 218

+++

++

+

±

0

0

0

0 0 0

0



29 June 1970

3<sup>30</sup> pm 5 mg R<sub>4</sub>H5<sup>30</sup> - felt happy smiling, slight stimulation.11<sup>30</sup> - Some how felt more spontaneous - did things instead of just thinking about doing it. What I did was me - but somehow more me.

Others in family agreed - I was less inhibited, less crabby.

4 days later - It lasted about two days - then back to nervous cranky self.

It seemed like a beautiful drug with all the peaceful, calming effects of MDA - but at no time did I ever feel high or stoned.

3 July 70

9:30 AM 8 mg R<sub>4</sub>H

12:30 PM Strange state - Introspective, hyperemotional when reading &amp; listening to music

1-4 pm - 3 hr nap

after - Some sort of calmness

4 July - " " "

5 July - Very depressed ( & looking back there seemed to be a depression 2 days after 1<sup>st</sup> dose

6 " - still depressed

7 " - slightly "

8 " - OK?

9 " - OK - Today is 1<sup>st</sup> day I've really felt together & able to work.

9 July -

All in all - very interesting - but I don't think I'd do it again for awhile. - along while.

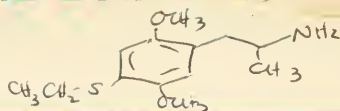
The main effects seemed to last 2 days - a calmness & peace. I could handle it all without being upset - no getting so short temper. The two days are not all quite at the same level - there is a greater stimulation for first 6-10 hrs. Altogether - Very nice

But - there did seem to be a severe depression - esp. after the second dose. I know its very hard to separate out causes - & I am <sup>concerned</sup> ~~upset~~ about my work etc - but I do feel the drug greatly intensified the depressed feelings - There would not have been a true depression without it. Partly it could be that I've taken a fair amount of amphetamine & nitrobin - I've noticed the rebound depression (incl. ~~for~~ actual pain) ~~has~~ from them has gotten worse lately - so maybe it would not be a problem in a new drug - since

SUBJECT

BOOK NO.

DATE



Aleph - 2

- 3/19/76 11:15 AM ATS 0.1 mg no effects.
- 5/13/76 10:00 AM ATS 0.3 mg no effects.
- 8/28/76 11:00 AM ATS 0.6 mg no effects.
- 9/2/76 11:20 AM ATS 1.0 mg no effects.
- ± 9/22/76 4:45 PM ATS 1.6 mg - at [1:30] maybe effects, at [2:30] there is some sort of threshold (in French class) - not disruptive but believable - to bed although completely alert (at [7:00]) - no sleep but at the time logical self-images for 3 more hours. Some sleep eventually. Next day OK - Next night sound sleep. Threshold?
- + 10/31/76 10 AM. ATS 2.0 mg - first hints at [1:20] - very subtle - no minkows - all afternoon lunch [2:00], drive to library at Berkeley [3:00], even into recital at club [6:00] an unworldly guess - color effects at the edges - people looked strange - (1<sup>st</sup> time in months, I am reminded of mescoline. True threshold of a subtle drug.
- + 11/6/76 11:20 AM. ATS - 3.0 mg. [0:00] - [1:10] first possible effect - lunch - not too hungry. [2:00] still running threshold [2:20] diarrhea - movement of rug? colors in towel? [4:10] earh paraesthesia - I am under the interesting cloud of some drug effect, but at a very mild level - Things will happen at the next dose level I am sure.
- 11/21/76 9:45 AM ATS. 5.0 mg - completely effective level. See page 205

all data now combined on 205

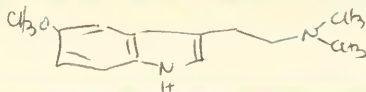
Additional data on S-OCCH<sub>3</sub>-DMT

- (3 mg) March 15, 1977 - ATS, Dave & Edward set within a minute, except for Edward quite a bit longer. Spectrum of Dave & ATS similar, and similar to p 195 notes. Edward - eyes - closed experiences of Heimchen + Calif beach at same time - convincing demonstration of 2 separate levels of existence - After 10 min, second experiment  $\approx$  to 1st. Superior effect in favor for ~ 20 min - into restaurant - unwilling to go ahead alone - and no before-dinner drink. No residue.
- (10 mg) April 1, 1977 - ATS - as much as possible taken from a 20 mg cigarette - effects before 1 min - max at ~ 2-3 min - drop nearly out but not completely, by 6 min. - Stridly stony - an ASC with no sensory or interpretive overtones.
- (10 mg) Feb 11, 1978 - ATS consumption of 25 mg in three consecutive administrations (from a 25 mg Tanager cigarette. Stoned within a minute - largely recovered within a couple of more minutes. All three runs < 20 minutes.
- 1 mg in PBSO - left trip 7/24/78 11:50 PM - n.e.



SUBJECT

BOOK NO.



5-ethyl, DMT.

DATE

August 25 1976. Combusted 3 cigarettes - hand rolled on Taracetum vulgare. One at 10 mg (base) scored at 1 mg units, two at 20 mg base, scored at 5 mg units. Under heat lamp to melt base, then tightly rolled. All assays by inhalation.

- (1.0 mg) some slight pulse ↑ - otherwise n.e.
- (2.0 mg) 10 seconds following, quite aware. [0:00:25] more aware yet and increasing to (0:02) - uncharacteristic intensity of cns attention - urge to rapid movement - no sense change - no pulse - little eye dilation. (0:02.5) slacker - (0:05) out.
- (2.0 mg) almost (0:00 - 0:00.5) real at (0:01) - slight shakes - little if any mydriasis. out at (0:03)
- (3 mg (+2)) almost (0:00 - 0:00.5) - on before (0:01) - quite intense at (0:02), slacker by (0:03) - at (0:04) reinforce + 2 mg which is noticeable in another minute. slacker at (0:07) clear the body for an hour before continuing.
- (6 mg) almost (0:00 - 0:00.5) effects noted before (0:01)
  - [0:01:15] stoned - not really light head, but head feels close to the lower parts of the body - close to ground - knees weak - distinct shakes.
  - [0:02 - 0:02:20] peak effect - quite intense - not quite the max of DMT at 30 mg and no sensory close-out -
  - [0:03] peaked - am sliding back
  - [0:04] quite nauseated - glad I hadn't eaten (4 hrs)
  - [0:05] clearing quickly - not as exactly defined as DMT
  - [0:07] 90% out - fast recovery
  - [0:09] completely clear. perhaps a slight residual mydriasis.

Overall comparison to DMT.

more potent (6 mg  $\approx$  30 mg?)  
slightly faster (2-2.5 min max, out at ~7 min vs.

3 min max, out at ~10 min

This drug, as largely with DMT - is a simple, stoning, drug - with no sensory contribution, no intellectual contribution. perhaps desirable for providing a subject the vocabulary of ASC, so that with interesting and constructive drugs, these effects will be familiar and thus not distracting.

SUBJECT

Subjective effects  
of

BOOK NO.

X-O DMS.

DATE

(cross ref p784)

September 10, 1976 10:45 AM {0:00} 30 mg in water -

- [0:45] warm flushing - nausea - oh I wish the physical would be done with -  
 [1:00] some dilation - I am uncertain if there are some CVS, or just fighting nausea -  
 [1:15] active vomiting (mild) releases nausea - and there are virtually no symptoms.  
 [2:00] building into wild ASC (ejeret) eyes closed - roly clouds and strangely interpreted imagery - trying to apple - not sure of stomach stability  
 [2:45] into zombie period - well is a bit Frankensteinish - piano keys unreal - type written keys unreal - music & text that comes out has little bearing on my intention. The most fun was writing with the power off - no inhibitions - no record - tried a bit c power on - this came out.

what an aliel keyboard - what will it produce?

anilan  
alianalina  
alien

anein

alein

alean

ailean

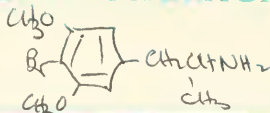
wow wowwowwow

- [3:15] Lion's face (on chair) - many things - cheeks become boxing gloves - mouth talks but no words are evident - entertaining - but not profound.  
 [3:45] so much mileage from just 3 mg of  $\text{CH}_3\text{NHO}$ . - Obviously it is my own energy pool that has been tapped  
 [3:50] old friend diarrhea again - modest - just symbolic all through the last 2 hrs - in addition to the interpretive changes, there were mild visual distortions - things tended to flow - not bothersome - but I know I couldn't drive a car. Here was a marvelous chemical gestalt - reasoning from o-hydroxy benzylalcohol  $\text{R}-\text{C}(\text{OH})-\text{CHO} \rightarrow$  benzyl cyanide, why not dehydrate to  $(\text{R})-\text{C}(\text{CN})=\text{CH}_2$ , then reduction 1,6  $\rightarrow$  p-OH allyl benzene and 1,8  $\rightarrow$  p-OH propylbenzene - then - if reduction goes from methoxy group, a compound such as normetanephrin would  $\rightarrow$  2-carbon MDA (p-OH reduced off at expense of quercidol becoming a methylenedioxy. Phoned Jill... he was amused.  
 [4:35] Quickly mending  
 [5:00] I could drive to Lafayette now without trouble - usually things still move but the physical zombie is not there anymore. I can ignore the crawling.  
 [10:00] still some dilation, teeth are rubbery, hypoxia. There is still some body poisoning present.  
 [12:00] attempt sleep - not too satisfactory - restless - strange mental interjections.  
 [24:00] (next AM) clear - no residues.

This is probably the most potent indole psychedelic yet measured, at least via oral route. Any higher dose would require baby-sitting.



SUBJECT



9/15/76 10:37 AM ATS 0.5 mg - Gisdal thought I was a little hyperactive in afternoon (2-5) and I was certainly a bit more, & very much entertained. Probably no effect.

9/18/76 11:00 AM ATS 1.0 mg. no effects whatsoever. n.e.

9/21/76 10:40 AM ATS 1.6 mg tingle? [1:40] - n.e.

9/25/76 10:45 AM ATS 2.2 mg funny? [2:30] - n.e.

9/29/76 10:00 AM ATS 3.0 mg [2:30] fleeting light-headed - 5 sec! [3:30] slight power game. thresh? n.e.?

10/3/76 11:00 AM ATS 4.0 mg - all through afternoon, I could believe a shallow threshold - tooth-rubby - some intentional paroxysms & no sleeping problems. but. n.e.

10/6/76 11:00 AM ATS 6.0 mg - a most a shallow threshold - no more. Conceivable chemical non-specific tolerance? yesterday 10/5/76 - 100% of MDMA - but that was completely repaired at 1:00 in PM. I cannot confirm CV?! - n.e. p.s. attempt sleep at 12:00 - mild difficulty - then restful.

11/2/76 8:50 AM. 10.0 mg ATS. [1:20] into some threshold but none of the MDMA-type window [2:30] - I've found it - morphine! [3:00] complete central analgesia - experiment - with sterile needle - pierce skin pinch on left arm - little bother except for the needle emergency (skin resistance) - little bleeding. Multiple pin-pricks on skin over thumb abductor - no feeling. Cup of boiling water elicited shock response reflex, but once that was over with, no pain - intellectual awareness of blistering keeps me from silly experiments. I feel lucky that my judgement is OK to keep from getting in to self-harm trouble [4:00] perhaps some repair [5:00] still not complete. [10:00] Driver in city - Jill. - some tooth-rubby - so there are still some physical effects. [12:00] burning irritation at the pin-prick area - so folly feeling is back - Obviously long lasting analgesia. No sleep problems at [15:00].

Letter ex CV Aug 25, 1976

4-Br-3,5-dimethoxyamphetamine  
clearly detectable 1-2 mg  
threshold maybe lower?

4-OPr-3,5-dimethoxyamphetamine  
11 mg oral  $\approx$  75-100 mg mescaline  
15 mg oral  $\approx$  200 mg mescaline

4-Br-3,5-dimethoxyamphetamine

Letter CV Sept 17, 1976

4-OPr-3,5-dimethoxyamphetamine ?  
active at 10 mg

4-OBu-3,5-dimethoxyamphetamine  
is not active at 10 mg  
was the phenethyl group

yesterday 10/5/76 - 100%

Letter CV Oct 26, 1976

4-Br-3,5-dimethoxyamphetamine  
3-mg  $\neq$  placebo. at 2 hr analgesia  
in extremities - barely perceptible  
para.  
Sensory effects:  $\approx$  7-8 mg DOT



SUBJECT



DOCK NO.

hydroxy Dop  
DATE

|          |          |     |         |      |
|----------|----------|-----|---------|------|
| 9/19/76  | 3:50 PM  | ATS | 0.05 mg | n.e. |
| 10/7/76  | 10:30 AM | ATS | 0.10 mg | n.e. |
| 12/25/76 | 10:40 AM | ATS | 0.20 mg | n.e. |



n.e.  
n.e.  
n.e.

0.001

LSB

0.0001

0  
Methylmer

1/MLD (human)

0.1

0.01

Dom (w)

0.001

0  
MMDA

0 TMA

0  
DMMDA

0 R  
PMD

0  
MMDAL

1.0

10

50% RD (rabbit) mg/kg

0.001

0.01

0.1

SUBJECT

Additional Detail on PARADOT.  
additional trials.

DATE

from page 178

+ 10/8/76 9:30 AM ATS 7.0 mg. much more moderate than 5 mg 7/2/76 - ~[1:30]  
clear effects - "conceptual drive" was completely embolled (thus almost undisturbed  
and directed towards drifting ideas for the NIDA paper - it lasted [1:50] to  
[2:50] - [3:40] I am under control, could drive a car - but the effects are  
still there. Clear at [5:30] (3 PM).

+++ 10/12/76 10:10 AM ATS 10 mg. (C:00)

[1:00] ~~coming~~ a gentle unworldeerness - go to mail.

[1:15] coming in very strongly - and nicely.

[1:20] slight shakes - otherwise bodily OK - like narc. in visual, except no color.

[01:30] a very rapid shift in frame of reference - I was barely able to keep up  
and consolidate - now OK - can continue to read the mail.

[1:40] blotto! (3:00) dropping? - no patience to lie back & watch (internal) clouds.

[3:30] still too stupid to weight Kate's cocaine storm.

[4:00] there is noway Gray is going to tell me this wasn't an active compound.

[4:30] last 1/2 hr lots of phone calls - AG, Sunny, Greg - things still crawl  
a bit - I cannot physically organize the lab, or cope w it, but problem  
I am in good strength.

[4:35] re-integrating quite well - will be OK for Berkeley, theater, dinner tonight.

[4:50] still not together as of the moment - not integrating very quickly.

[5:10] going fine now - I am bringing the humanness and beauty into it  
and I am stronger for it. Thank you.

[6:00] Complete, and none too soon - shower - call KATP, c.s. from info. to town.

[2:10] [2:25] eyes closed perceptualizations - illustrated concepts - really  
beautiful - if the last leaf had to go, where should I be this evening  
when everyone else is at The Theater.

[2:30] behind lab - cat (pretty baby) eyes - me to her - concept of totality -  
the gopher - the apple - through the N.C. & the K.V. review - I am at the  
max. Lets do something with it.

mixed these two

I have read pages ----- to -----  
notebook and understand their con-  
There are no blank pages, except -----  
All entries are in the handwriting

Signed: ----- Date: -----

Signed: ----- Date: -----



Dose MU

LSD

1  $\mu\text{g/kg}$ 

-3000

-1000

5

10  $\mu\text{g/kg}$ 

-300

ABAMS

9

C

-100

50

100  $\mu\text{g/kg}$ 

-30

Psil.

-10

500

1  $\mu\text{g/kg}$ 

-3

Mesc.

-1

5

10  $\mu\text{g/kg}$ 

| MES | TMA | AGM  | MMDA | MESA | DMMDA | TMA-2 | MMDA-2 | MMDA 3a | MEM | NPM | 220 |
|-----|-----|------|------|------|-------|-------|--------|---------|-----|-----|-----|
| 1   | 2.2 | 41.3 | 2.7  | 4.2  | 13    | 17    | 21     | 18      | 26  | 220 | 220 |

-0.017

-280

-220

-180

-210

-145

-175

-140

1

2.2

41.3

2.7

4.2

13

17

21

18

26

220

220



$1 \rightarrow 1.6$

low  
levels

$1 \rightarrow 1.25 \rightarrow 1.6 \rightarrow 2$

high  
levels



